

EXHIBIT A



May 5, 2023

VIA CERTIFIED MAIL RETURN RECEIPT REQUESTED

John P. Schaefer
Chief Executive Officer
Monogram Aerospace Fasteners, Inc.
15200 Don Julian Road
City of Industry, California 91745

Anthony Mendes
Corporate Manager EHS
Monogram Aerospace Fasteners, Inc.
3423 S. Garfield Ave
Los Angeles, CA 90040

Anthony Mendes
Corporate Manager EHS
Monogram Aerospace Fasteners, Inc.
38505 Woodward Ave, Suite 200
Bloomfield Hills, MI 48304

CSC-Lawyers Incorporating Service for
Monogram Aerospace (C1592199)
Agent for Service of Process
2710 Gateway Oaks Drive, Suite 150N
Sacramento, CA 95833

CSC-Lawyers Incorporating Service
(Company) for Tri-Mas, Inc. & Tri-Mas
Company LLC
3410 Belle Chase Way, Suite 600
Lansing, MI 48911

Tri-Mas, Inc. & Tri-Mas Company LLC
Owner and Operator of the Property
49 Discovery, Suite 220
Irvine, CA 92618

Tri-Mas, Inc. & Tri-Mas Company LLC
38505 Woodward Avenue, Suite 200
Bloomfield Hills, MI 48304

**RE: NOTICE OF VIOLATIONS AND INTENT TO FILE SUIT UNDER THE
FEDERAL WATER POLLUTION CONTROL ACT ("CLEAN WATER ACT")
(33 U.S.C. §§ 1251 *et seq.*)**

Dear Mr. Schaefer, Mr. Mendes, and Tri-Mas, Inc.:

Aqua Terra Aeris Law Group represents Los Angeles Waterkeeper ("LA Waterkeeper.") LA Waterkeeper intends to file suit against Monogram Aerospace Fasteners, Inc. pursuant to the Clean Water Act ("CWA" or the "Act"), including California's General Industrial Storm Water Permit ("General Permit"), for violations occurring at 3423 Garfield Ave, Commerce, CA 90040, Waste Discharger Identification Number 4 19I001761 (the "Facility"). This letter is being sent to you as the responsible owner, officer, and/or operator of the Facility. Unless otherwise noted, Monogram Aerospace Fasteners shall hereinafter be referred to as "Monogram Aerospace," and CEO John P. Schaefer, Corporate Manager EHS Anthony Mendes, and Tri-Mas, Inc. shall hereinafter be referred to as the "Owners/Operators" of the Facility.

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LA Waterkeeper is a nonprofit 501(c)(3) public benefit corporation organized under the laws of California with its main office located in downtown Los Angeles, California. LA Waterkeeper was founded in 1993, and its members live, work, and recreate in and around the Los Angeles area. LA Waterkeeper is dedicated to the preservation, protection, and defense of the inland and coastal waters of Los Angeles County including the Rio Hondo Channel, the Los Angeles River, Queensway Bay, and Junipero Beach. To further this mission, LA Waterkeeper actively seeks federal and state implementation of the Clean Water Act. Where necessary, LA Waterkeeper directly initiates enforcement actions on behalf of itself and its members.

Members of LA Waterkeeper work and reside in Los Angeles County. They use and enjoy the Rio Hondo Channel, the Lower Los Angeles River, and just downstream, Queensway Bay and Junipero Beach. (the "Receiving Waters").¹ LA Waterkeeper members also use and enjoy the bordering parks, pathways, golf courses, and athletic fields. They also enjoy and use other connected waterways to bike, boat, kayak, bird watch, ride horses, view wildlife, hike, walk, run, fish, surf, swim, sail, and recreate. Additionally, LA Waterkeeper members engage in scientific study through pollution and habitat monitoring and restoration activities in and along all these waters.

The unlawful discharge of pollutants from the Facility into the Receiving Waters impairs LA Waterkeeper's members' use and enjoyment of these waters. The unlawful discharge of pollutants from the Facility requires LA Waterkeeper to expend its limited resources to study and combat pollution from the Facility. Thus, the interests of LA Waterkeeper and its members have been, are being, and will continue to be adversely affected by Monogram Aerospace's failure to comply with the Clean Water Act and the General Permit.

Monogram Aerospace is in ongoing violation of the substantive and procedural requirements of the CWA, 33 U.S.C. § 1251 et seq. and California's General Industrial Storm Water Permit, National Pollution Discharge Elimination System ("NPDES") General Permit No. CAS000001 Water Quality Order No. 2014-0057-DWQ as amended by Order No. 2015-0122-DWQ incorporating: 1) Federal Sufficiently Sensitive Test Method Ruling; 2) Total Maximum Daily Load ("TMDL") Implementation Requirements; and 3) Statewide Compliance Options Incentivizing On-Site or Regional Storm Water Capture and Use, and as subsequently amended by Order 2018-0028-DWQ incorporating TMDL effluent limits (effective July 1, 2020)(collectively referred to herein as the General Permit or Permit).²

Pursuant to CWA Section 309(d) (33 U.S.C. § 1319(d)) and the Adjustment of Civil Monetary Penalties for Inflation (40 C.F.R. § 19.4), each separate violation of the CWA commencing five (5) years prior to the date of this Notice of Violation and Intent to File Suit subjects Monogram Aerospace to a penalty of up \$64,618 per day per violation. In addition to civil penalties, LA Waterkeeper will seek injunctive relief preventing further violations of the

¹ The Storm Water Pollution Prevention Plan for the Facility lists NELs for the Lower Los Angeles River as applicable to storm water discharges from the Facility.

² Monogram Aerospace submitted its most recent Notice of Intent to comply with the General Permit for the Facility on or about June 2, 2015.

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Act pursuant to CWA Sections 505(a) and (d) (33 U.S.C. §§ 1365(a), (d)) and such other relief as permitted by law. Lastly, CWA Section 505(d) (33 U.S.C. § 1365(d)) permits LA Waterkeeper to recover costs and fees, including attorneys' fees, from Monogram Aerospace.

The CWA requires that sixty (60) days prior to the initiation of a citizen-enforcement action under Section 505(a) (33 U.S.C. § 1365(a)), a citizen enforcer must give notice of its intent to file suit. Notice must be given to the alleged violator, the U.S. Environmental Protection Agency, and the Chief Administrative Officer of the water pollution control agency for the State in which the violations occur. *See* 40 C.F.R. 135.2.

As required by the CWA, this letter provides statutory notice of the violations that have occurred, and continue to occur, at the Facility. 40 C.F.R. § 135.3(a). At the expiration of sixty (60) days from the date of this letter, LA Waterkeeper intends to file suit under CWA Section 505(a) (33 U.S.C. § 1365(a)) in federal court against Monogram Aerospace for violations of the CWA and the General Permit.

I. Background

A. The Clean Water Act

Congress enacted the CWA in 1972 to “restore and maintain the chemical, physical, and biological integrity of the Nation’s waters.” 33 U.S.C. § 1251. The Act prohibits the discharge of pollutants into United States waters except as authorized by the statute. 33 U.S.C. § 1311; *San Francisco Baykeeper, Inc. v. Tosco Corp.*, 309 F.3d 1153, 1156 (9th Cir. 2002). The Act is administered largely through the NPDES permit program. 33 U.S.C. § 1342. In 1987, the Act was amended to establish a framework for regulating storm water discharges through the NPDES system. Water Quality Act of 1987, Pub. L. 100-4, § 405, 101 Stat. 7, 69 (1987) (codified at 33 U.S.C. § 1342(p)); *see also Env'tl. Def. Ctr., Inc. v. EPA*, 344 F.3d 832, 840-41 (9th Cir. 2003) (describing the problem of storm water runoff and summarizing the Clean Water Act’s permitting scheme). The discharge of pollutants without an NPDES permit, or in violation of a NPDES permit, is illegal. *Ecological Rights Found. v. Pac. Lumber Co.*, 230 F.3d 1141, 1145 (9th Cir. 2000).

Much of the responsibility for administering the NPDES permitting system has been delegated to the states. *See* 33 U.S.C. § 1342(b); *see also* Cal. Water Code § 13370 (expressing California’s intent to implement its own NPDES permit program). The CWA authorizes states with approved NPDES permit programs to regulate industrial storm water discharges through individual permits issued to dischargers, as well as through the issuance of a single, statewide general permit applicable to all industrial storm water dischargers. 33 U.S.C. § 1342(b). Pursuant to Section 402 of the Act, the Administrator of EPA has authorized California’s State Water Resource Control Board (“State Board”) to issue individual and general NPDES permits in California. 33 U.S.C. § 1342. The State Board coordinates with the Los Angeles Regional Water Quality Control Board (“Regional Board”), which has shared jurisdiction over the Facility for state and federal water pollution control efforts.

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B. California's General Permit for Storm Water Discharges Associated with Industrial Activities

Pursuant to authority under the CWA, the State Board issued the General Permit to regulate storm water discharges associated with industrial activities throughout California. Facilities discharging, or having the potential to discharge, storm water associated with industrial activities that have not obtained an individual NPDES permit must apply for coverage under the General Permit by filing an NOI. General Permit Sections XXI.A and I.A.12. Facilities must file their NOIs before the initiation of industrial operations. *Id.*

Facilities must strictly comply with all terms and conditions of the General Permit. A violation of the General Permit is a violation of the CWA. General Permit Section XXI.A. The General Permit contains three primary and interrelated categories of requirements: (1) discharge prohibitions, receiving water limitations and effluent limitations; (2) Storm Water Pollution Prevention Plan ("SWPPP") requirements; and (3) self-monitoring and reporting requirements.

If a General Permit NAL,³ TNAL,⁴ NEL,⁵ or TMDL⁶ exceedance occurs in a given reporting year, facilities must submit Exceedance Response Action ("ERA") Plans to the State Board outlining effective plans to reduce pollutants. An annual NAL (Numeric Action Limit) exceedance occurs when the average of all the analytical results for a parameter from samples taken within a reporting year⁷ exceeds the annual NAL value for that parameter. An instantaneous maximum NAL exceedance occurs when two (2) or more analytical results from samples taken for any single parameter within a reporting year exceed the instantaneous maximum NAL value or are outside of the instantaneous maximum NAL range for pH. General Permit Section XII.A.

Further, on July 1, 2020, updated pollutant-discharge standards including Total TMDL Implementation Requirements became enforceable. General Permit Attachment E. Any exceedances of a Numeric Effluent Limitation ("NEL") following July 2020 is a per se violation of the General Permit and Clean Water Act. For this Facility, applicable NELs for the Los Angeles River Tributaries and Watershed includes Nitrate-Nitrogen (8.0 mg/L) Nitrite-Nitrogen (1.0 mg/L), Nitrate+Nitrite Nitrogen (8.0 mg/L), Ammonia (10.1 mg/L), copper (0.06749 mg/L), lead (0.094 mg/L), cadmium (0.0031 mg/L), and zinc (0.159 mg/L).

There are two (2) ERA levels, Level 1 and Level 2. If a discharger enters Level 1 for exceedances of any constituent in a reporting year that facility must prepare a Level 1 ERA Report to adequately address the polluted discharges. If an exceedance occurs again in a

³ Numeric Action Level ("NAL")

⁴ TMDL Numeric Action Level ("TNAL")

⁵ Numeric Effluent Limitation ("NEL")

⁶ Total Maximum Daily Loads ("TMDL")

⁷ A reporting year under the General Permit is July 1 to June 30.

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subsequent year, a Level 2 ERA Action Plan and a Level 2 ERA Report will be required in accordance with the General Permit. The results of either of the ERA reports may require that the SWPPP be amended. Both Level 1 and Level 2 ERA reports and action plans must be submitted via SMARTS to the State Water Resources Control Board.

C. Monogram Aerospace Industrial Facility

The facility is located in Commerce, California. The Facility's primary industrial purpose is the manufacturing of fasteners for the aerospace industry. Operations include heading, machining, threading, cleaning, plating, and coating operations. The Facility's NOI and SWPPP notes that the site is approximately 131,400 square feet. The SWPPP identifies 18,396 square feet of industrial areas exposed to stormwater and the NOI identifies 23,620 square feet exposed to stormwater. The NOI does not indicate what the percentage of the site is impervious. The Facility SWPPP identifies one (1) building at the Facility site (at 3423 S. Garfield Ave.) that is 113,004 square feet. The Facility SWPPP notes that the Monogram Aerospace Fasteners facility operates 5 days per week, Monday through Friday, from 5:00 am to 10:00 pm. Variations in actual operating hours may occur as necessary.

Pursuant to the Facility NOI, Monogram Aerospace operates under Standard Industrial Classification ("SIC") Code 3452 (bolts, nuts, screws, rivets, washers). Under SIC Codes 3452, Monogram Aerospace is required to sample storm water for zinc ("Zn"), iron ("Fe"), aluminum ("Al"), and nitrate + nitrite nitrogen ("N+N"). In addition, Monogram Aerospace is required to sample storm water for pH, oil and grease ("O&G"), and total suspended solids ("TSS").

Facilities must also sample and analyze additional parameters identified on a facility specific basis based on pollutant source assessments, receiving water impairments, or as required by the Regional Board. General Permit Section XI.B.6. Pursuant to Clean Water Act Section 303(d)'s list of impaired waterbodies, **The Rio Hondo Reach 1** is impaired for pH, Toxicity, Lead, Trash, Copper, Zinc, and Indicator Bacteria. **Reach 2** of the Los Angeles River is impaired for Trash, Nutrients (Algae), Ammonia, Indicator Bacteria, Oil, Copper, and Lead. Further downstream, **Reach 1** of the Los Angeles River is impaired for Copper (Dissolved), Cadmium, Ammonia, Zinc (Dissolved), pH, Cyanide, Nutrients (Algae), Indicator Bacteria, Trash, and Lead. The Los Angeles River Estuary, and Queensway Bay are also listed for impairments including Chlordane (sediment), DDT (sediment), PCBs (Polychlorinated biphenyls) (sediment), Sediment Toxicity, and Trash. The San Pedro Bay is impaired for Total DDT (sum of 4,4'- and 2,4'- isomers of DDT, DDE, and DDD), PCBs (Polychlorinated biphenyls), Toxicity, and Chlordane. The annual reports identify a list of pollutants within the impaired watershed, some of which Monogram Aerospace does not sample for despite conducting industrial processes at the Facility in which such parameters are present.

Monogram Aerospace manufactures fasteners for use in the aerospace industry. Materials range from a mixture of medium grade metal to high strength metals such as titanium. Industrial activities include production processes, chemical & waste storage, the waste treatment system, handling customer materials, vehicle use and parking, and maintenance activities. These

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activities and associated materials will or could potentially contribute pollutants to stormwater runoff.

Pollutants of concern from these industrial areas and activities at the Facility include oil & grease, metals, TSS, and N+N. SWPPP at pg. 14, Table 2.1. These pollutants are subject to tracking to other areas of the Facility, and offsite of the Facility, by employees, transfer of industrial materials between work areas and warehouses, loading and unloading of industrial materials, vehicle and forklift traffic, and use of heavy industrial equipment. These areas of industrial activity generate and release pollutants at the Facility which are discharged in storm water, including aluminum, iron, Nitrate, N+N, oil & grease, pH, TSS, and zinc. In its annual reports, Monogram Aerospace identifies cyanide, cadmium, copper, and lead as being present at the Facility, yet it does not sample for these pollutants. Further, other facilities using the same SIC code 3452 test for and show presence of ammonia.

The Facility SWPPP describes that the Facility is divided into 2 drainage areas: Eastside and Westside, as shown on the Site Map(s) in SWPPP Appendix A. The Site Map(s) shows the area layout, including the general site topography, storm drainage system, drainage inlets, its respective drainage areas, and discharge locations. The facility site is relatively level with the east parking lot sloping slightly to the north. The elevation of the site is 141 feet above mean sea level (msl). Surface drainage at the site currently flows to the storm drains towards Lower Los Angeles River. There is no anticipated offsite run-on to this site because there are no up gradient drainage areas.

Any person or facility discharging storm water associated with industrial activity must comply with the General Permit. See 33 U.S.C. §§ 1311(a), 1342; 40 C.F.R. § 122.26(c)(1); General Permit Fact Sheet at VII.

On July 1, 2020, the amendment to the General Permit by Order No. 2015-0122 –DWQ became enforceable and updated pollutant-discharge standards including Total TMDL Implementation Requirements and Statewide Compliance Options Incentivizing On-Site or Regional Storm Water Capture and Use. General Permit Attachment E. Any exceedances of a Numeric Effluent Limitations (“NEL”) following July 1, 2020, is a per se violation of the General Permit and Clean Water Act.

As noted above, applicable NELs for the Los Angeles River Tributaries and Watershed, and therefore applicable to the Facility, include Nitrate-Nitrogen (8.0 mg/L) Nitrite-Nitrogen (1.0 mg/L), Nitrate+Nitrite Nitrogen (8.0 mg/L), Ammonia (10.1 mg/L), copper (0.06749 mg/L), lead (0.094 mg/L), cadmium (0.0031 mg/L), and zinc (0.159 mg/L). Following the implementation of the NELs for the Los Angeles River Tributaries and Watershed on July 1, 2020, Monogram Aerospace has exceeded the NEL standard for zinc fourteen (14) times, for Nitrate-Nitrogen three (3) times, and for Nitrite-Nitrogen one (1) time. LA Waterkeeper alleges that the Monogram Aerospace Facility will continue to exceed those NELs standards and the NALs for those parameters and others tabled below over the coming reporting years. In addition, the data submitted for N+N does not equal the actual sample results for Nitrate-Nitrogen and Nitrite-Nitrogen for either sample point since March 28, 2022.

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Based on its review of available public documents, primarily from SMARTS, LA Waterkeeper is informed and believes that Monogram Aerospace is in ongoing violation of both the substantive and procedural requirements of the CWA, and the General Permit at the Facility. These violations are ongoing and continuous. Consistent with the five-year statute of limitations applicable to citizen enforcement actions brought pursuant to the CWA, Monogram Aerospace is subject to penalties for violations of the Act since at least May 4, 2018⁸ LA Waterkeeper expects to identify additional storm water discharges conveying pollutants to the Receiving Waters in violation of the CWA and the General Permit through further investigation of the Facility and as this matter progresses through the rainy season.

A. Monogram Aerospace Discharges Storm Water Containing Pollutants in Violation of the General Permit’s Discharge Prohibitions, Receiving Water Limitations, and Effluent Limitations

Monogram Aerospace’s storm water sampling results provide conclusive evidence of its failure to comply with the General Permit’s discharge prohibitions, receiving water limitations and effluent limitations. Self-monitoring reports under the General Permit are deemed “conclusive evidence of an exceedance of a permit limitation.” *Sierra Club v. Union Oil*, 813 F.2d 1480, 1493 (9th Cir. 1988).

1. Applicable Water Quality Standards

The General Permit requires that storm water discharges and authorized non-storm water discharges shall not cause or threaten to cause pollution, contamination, or nuisance. General Permit Section III.C. The General Permit also prohibits discharges that violate any discharge prohibition contained in the applicable Regional Board’s Basin Plan or statewide water quality control plans and policies. General Permit Section III.D. Furthermore, storm water discharges and authorized non-storm water discharges shall not adversely impact human health or the environment and shall not cause or contribute to a violation of any water quality standards in any affected receiving water. General Permit Sections VI.A, VI.B.

Dischargers are also required to prepare and submit documentation to the Regional Board upon determination that storm water discharges are in violation of the General Permit’s Receiving Water Limitations. General Permit Section XX.B. The documentation must describe changes the discharger will make to its current storm water best management practices (“BMPs”) in order to prevent or reduce any pollutant in its storm water discharges that is causing or contributing to an exceedance of water quality standards. *Id.*

The California Toxics Rule (“CTR”) is an applicable water quality standard under the Permit, the violation of which is a violation of Permit conditions. *Cal. Sportfishing Prot. Alliance v. Chico Scrap Metal, Inc.*, 2015 U.S. Dist. LEXIS 108314, *21 (E.D. Cal. 2015). The CTR establishes numeric receiving water limits for toxic pollutants in California surface waters. 40

⁸ June 2, 2015, is the date of the Monogram Aerospace Notice of Intent to Comply with the General Permit.

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C.F.R. § 131.38. The CTR establishes a numeric limit for at least five (5) of the pollutants thought to be discharged by Monogram Aerospace—copper, lead, cadmium, zinc, and cyanide. As explained below, these are pollutants the Facility does not sample for, but which LA Waterkeeper has reason to believe it should.

The Water Quality Control Plan for the Los Angeles Region (“Basin Plan”) also sets forth water quality standards and prohibitions applicable to Monogram Aerospace’s storm water discharges. The Basin Plan includes a narrative toxicity standard which states that “[a]ll waters shall be maintained free of toxic substances in concentrations that produce detrimental physiological responses in human, plant, animal, or aquatic life.” The Basin Plan’s Water Quality Standards require a narrower pH range of 6.5 – 8.5 pH units for inland surface waters such as the Los Angeles River and its watershed. *See* Basin Plan.

2. Applicable Effluent Limitations

Dischargers are required to reduce or prevent pollutants in their storm water discharges through implementation of best available technology economically achievable (“BAT”) for toxic and nonconventional pollutants and best conventional pollutant control technology (“BCT”) for conventional pollutants. General Permit Section V.A. Conventional pollutants include Total Suspended Solids, Oil & Grease, pH, Biochemical Oxygen Demand and Fecal Coliform. 40 C.F.R. § 401.16. All other pollutants are either toxic or nonconventional. 40 C.F.R. §§ 401.15-16.

Under the General Permit, benchmark levels established by the EPA (“EPA benchmarks”) serve as guidelines for determining whether a facility discharging industrial storm water has implemented the requisite BAT and BCT. *Santa Monica Baykeeper v. Kramer Metals*, 619 F.Supp.2d 914, 920, 923 (C.D. Cal. 2009); General Permit Section XII.A.

The following EPA benchmarks have been recently updated for pollutants discharged by Monogram Aerospace: total suspended solids—100 mg/L; copper—0.00519 mg/L; lead—0.082 mg/L; aluminum—1.1 mg/L; zinc—0.12 mg/L; cadmium—0.0018 mg/L; cyanide—0.022 mg/L; Nitrate + Nitrite Nitrogen (N+N)—0.68 mg/L; and pH—6-9 s.u. The General Permit uses NAL values based upon previous EPA Benchmarks, and are as follows: total suspended solids—100 mg/L; copper—0.0332 mg/L; lead—0.262 mg/L; aluminum—0.75 mg/L; zinc—0.26 mg/L; cadmium—0.0053 mg/L; cyanide—0.022 mg/L; oil & grease—15 mg/L; iron—1 mg/L; Nitrate + Nitrite Nitrogen (N+N)—0.68 mg/L; and pH—6-9 s.u. General Permit Section XI. The Basin Plan’s Water Quality Standards require a narrower pH range of 6.5—8.5 pH units.

The General Permit also requires a permittee whose discharges violate the General Permit’s Receiving Water Limitations or water quality standards, such as NALs, TMDLs, TNALs, and NELs, to implement additional BMPs or other control measures that are tailored to that facility in order to attain compliance with the receiving water limitation. A Discharger that is notified by a Regional Board or who determines the discharge is causing or contributing to an exceedance of a water quality standard must comply with the Water Quality Based Corrective Actions in Section XX.B of the General Permit and report to the Regional Board regarding same.

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See General Permit Section XX.B. As noted herein, NEL exceedances are per se violations of the General Permit (See General Permit Sections V(C), VII(A)(1), VII(E) and Attachment E) and the Clean Water Act.

3. Monogram Aerospace's Storm Water Sample Results

As detailed above, Monogram Aerospace's SWPPP describes that the facility is divided into 2 drainage areas: Eastside and Westside. There is one Drainage Area identified by location identifier S1—called "Wastewater tank area." Another drainage area is identified by location identifier S2—called "Waste Treatment, HazMat-Hazwaste, storage, product receiving." Both S1 and S2 storm drains discharge to the Lower Los Angeles River. There are no stormwater storage or containment area(s) onsite.

Except as provided in Section XI.C.4 of the General Permit, samples shall be collected from each drainage area at all discharge locations. The samples must be: a) Representative of storm water associated with industrial activities and any commingled authorized non-storm water discharges; or, b) Associated with the discharge of contained storm water. Currently, without inspection upon the Facility, LA Waterkeeper is unable to determine if storm water from the two (2) sampling points at the Facility is representative of all industrial storm water discharge from the Facility.

LA Waterkeeper alleges that such violations occur each time storm water or non-storm water discharges from the Facility. **Attachment A hereto**, sets forth the specific rain dates on which LA Waterkeeper alleges that Monogram Aerospace has discharged storm water containing impermissible levels of O&G, TSS, N+N, aluminum, pH, and zinc in violation of the General Permit. General Permit, Discharge Prohibitions III.C and III.D, Receiving Water Limitations VI.A, VI.B.

LA Waterkeeper further alleges that additional NAL exceedances would have been reported had the Owners/Operators of Monogram Aerospace sampled the requisite number of times per reporting year. During the Facility history under the Permit, Monogram Aerospace has failed to collect the required amount of storm water samples as set forth in Section XI.B(2) of the General Permit.

During the Facility history under the Permit, Monogram Aerospace has failed to collect the required amount of storm water samples as set forth in Section XI.B(2) of the General Permit.⁹ In the 2018-2019, 2019-2020, 2020-2021, 2021-2022, and 2022-2023 reporting years, the Owners/Operators of the Facility failed to collect the requisite four storm water samples, sampling only two (2) QSEs each year. Yet, in the 2018-2019 reporting year there were 3 QSEs in the first half of the reporting year. In the 2019-2020 reporting year there were at least three (3) QSEs in each half year of reporting year. In the 2020-2021 reporting year Monogram Aerospace

⁹ Dischargers must collect and analyze a total of four qualifying storm events ("QSEs") each year they are enrolled under the General Permit. Two samples must be collected and analyzed during the first half of the reporting year (July 1 to December 31) and two must be collected and analyzed during the second half of the reporting year (January 1 to June 30). General Permit, Section XI.B(2).

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failed to collect the required QSEs for that reporting year. In the 2021-2022 reporting year there was at least seven (7) QSEs in the first half of the reporting year and at least three (3) in the second half. In the first half of the reporting year for 2022-2023 there were five (5) QSEs. In each of these reporting years, the Owners/Operators of the Facility failed to collect the requisite four storm water samples despite the occurrence of at least four (4) QSEs during operational times.

The following discharges of pollutants from the Facility since May 4, 2018, have violated the discharge prohibitions, receiving water limitations, and effluent limitations of the Permit.

a. Discharges of Storm Water Containing Oil & Grease (O&G) at Concentrations in Excess of the Numeric Action Level and/or Applicable EPA Benchmark Values

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	EPA Benchmark & Annual NAL Value (mg/L)	Instantaneous NAL Value (mg/L)
1/4/2023	S-2	O&G	453.8	15	25
12/14/2021	S-1	O&G	15	15	25
1/29/2021	S-1	O&G	32.1	15	25
1/29/2021	S-2	O&G	104	15	25
3/12/2020	S-1	O&G	30.2	15	25
11/27/2019	S-1	O&G	61	15	25
11/27/2019	S-2	O&G	30.6	15	25
5/16/2019	S-2	O&G	27.5	15	25
5/16/2019	S-1	O&G	23.4	15	25
1/31/2019	S-1	O&G	26.1	15	25
1/31/2019	S-2	O&G	30.8	15	25
11/29/2018	S-2	O&G	17.9	15	25
11/29/2018	S-1	O&G	20.4	15	25

b. Discharges of Storm Water Containing Total Suspended Solids (TSS) at Concentrations in Excess of the Numeric Action Level and/or Applicable EPA Benchmark Values

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	EPA Benchmark & NAL Value (mg/L)
1/4/2023	S-2	TSS	304	100

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c. Discharges of Storm Water Containing Zinc (Zn) at Concentrations in Excess of the Numeric Action Level, Applicable EPA Benchmark Values and/or the Numeric Effluent Limit

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	EPA Benchmark Value (mg/L)	NAL Value (mg/L)	NEL Value (mg/L)
1/9/2023	S-2	Zn	0.329	0.12	0.26	0.159
1/9/2023	S-1	Zn	0.423	0.12	0.26	0.159
1/4/2023	S-2	Zn	0.169	0.12	0.26	0.159
1/4/2023	S-1	Zn	0.251	0.12	0.26	0.159
11/8/2022	S-2	Zn	1.33	0.12	0.26	0.159
11/8/2022	S-1	Zn	0.452	0.12	0.26	0.159
3/28/2022	S-2	Zn	0.194	0.12	0.26	0.159
3/28/2022	S-1	Zn	0.462	0.12	0.26	0.159
12/14/2021	S-1	Zn	0.409	0.12	0.26	0.159
12/14/2021	S-2	Zn	0.455	0.12	0.26	0.159
3/15/2021	S-2	Zn	0.236	0.12	0.26	0.159
3/15/2021	S-1	Zn	0.528	0.12	0.26	0.159
1/29/2021	S-1	Zn	0.33	0.12	0.26	0.159
1/29/2021	S-2	Zn	0.336	0.12	0.26	0.159
3/12/2020	S-1	Zn	0.178	0.12	0.26	0.159
11/27/2019	S-2	Zn	1.18	0.12	0.26	0.159
11/27/2019	S-1	Zn	0.188	0.12	0.26	0.159
5/16/2019	S-2	Zn	0.27	0.12	0.26	0.159
5/16/2019	S-1	Zn	0.369	0.12	0.26	0.159
3/6/2019	S-1	Zn	0.369	0.12	0.26	0.159
3/6/2019	S-2	Zn	0.323	0.12	0.26	0.159
2/14/2019	S-2	Zn	0.215	0.12	0.26	0.159
2/14/2019	S-1	Zn	0.273	0.12	0.26	0.159
1/31/2019	S-2	Zn	0.124	0.12	0.26	0.159
1/31/2019	S-1	Zn	0.268	0.12	0.26	0.159
11/29/2018	S-1	Zn	0.776	0.12	0.26	0.159
11/29/2018	S-2	Zn	0.371	0.12	0.26	0.159

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 Monogram Aerospace Fasteners, Inc.
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d. Discharges of Storm Water Containing Nitrate-Nitrogen (Nitrate) at Concentrations in Excess of the Numeric Effluent Limit

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	NEL Value (mg/L)
1/9/2023	S-1	Nitrate	14.9	8.0
1/9/2023	S-2	Nitrate	10.07	8.0
11/8/2022	S-1	Nitrate	9.99	8.0

e. Discharges of Storm Water Containing Nitrite-Nitrogen (Nitrite) at Concentrations in Excess of the Numeric Effluent Limit

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	NEL Value (mg/L)
12/14/2021	S-1	Nitrite	1.87	1.0

f. Discharges of Storm Water Containing Nitrate + Nitrite Nitrogen (N+N) at Concentrations in Excess of the Numeric Action Level and/or Applicable EPA Benchmark Values

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	EPA Benchmark & NAL Value (mg/L)
1/9/2023	S-1	N+N	2.43	0.68
1/9/2023	S-2	N+N	2.34	0.68
11/8/2022	S-1	N+N	3.34	0.68
11/8/2022	S-2	N+N	0.78	0.68
3/28/2022	S-1	N+N	1.01	0.68
3/28/2022	S-2	N+N	0.68	0.68
12/14/2021	S-1	N+N	2.31	0.68
3/15/2021	S-1	N+N	2.09	0.68
11/27/2019	S-1	N+N	1.6	0.68
11/27/2019	S-1	N+N	1.6	0.68
11/29/2018	S-1	N+N	1.34	0.68

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g. Discharges of Storm Water Containing Aluminum (Al) at Concentrations in Excess of the Numeric Action Level and Applicable EPA Benchmark Value

Date	Discharge Point	Parameter	Concentration in Discharge (mg/L)	EPA Benchmark/ NAL Value (mg/L)
1/9/2023	S-1	Al	0.752	0.75

h. Discharges of Storm Water Containing pH at Concentrations in Excess of the Basin Plan Range

Date	Discharge Point	Parameter	Concentration in Discharge (units)	Basin Plan Range (units)
5/16/2019	s-1	pH	8.7	6.5 – 8.5
5/16/2019	s-2	pH	8.56	6.5 – 8.5
1/29/2021	s-2	pH	8.58	6.5 – 8.5
1/29/2021	s-1	pH	8.51	6.5 – 8.5
3/15/2021	s-2	pH	8.82	6.5 – 8.5
3/15/2021	s-1	pH	8.72	6.5 – 8.5
12/14/2021	s-2	pH	8.67	6.5 – 8.5
1/4/2023	s-1	pH	8.8	6.5 – 8.5

i. NAL Exceedances

Monogram Aerospace's sample results demonstrate violations of the General Permit's discharge prohibitions, receiving water limitations, and effluent limitations set forth above. LA Waterkeeper is informed and believes that Monogram Aerospace has known that its storm water contains pollutants at levels exceeding these limits and standards since at least May 4, 2018. Since at least May 4, 2018, Monogram Aerospace recorded NAL average exceedances for N+N, O&G, and Zinc, as well as NAL instantaneous exceedances for O&G. Three (3) QSEs have been sampled thus far in the 2022-2023 reporting year and the laboratory results showed individual samples of aluminum, Nitrite + Nitrate, O&G, TSS, and Zinc over the annual average NAL. Further, during the 2018-2019 reporting year, the Monogram Facility entered ERA Level 2 for N+N and O&G during the 2019-2020 reporting year, the Facility entered ERA Level 2 for Zinc. And in light of potential anomalies in publicly available information regarding N+N and, separately, nitrite and nitrate sample reporting, LA Waterkeeper believes there may be additional N+N exceedances not included in the chart above.

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Reporting Year	Parameter	Average Result (mg/L)	NAL
2018-2019	Zinc	0.3358	0.26 (mg/L)
2019-2020	N+N	0.9375	0.68 (mg/L)
2019-2020	Oil and Grease	33.1	15 (mg/L)
2019-2020	Zinc	0.401	0.26 (mg/L)
2020-2021	N+N	0.93	0.68 (mg/L)
2020-2021	Oil and Grease	39.2	15 (mg/L)
2020-2021	Zinc	0.3575	0.26 (mg/L)
2021-2022	N+N	1.1475	0.68 (mg/L)
2021-2022	Zinc	0.38	0.26 (mg/L)
2022-2023 so far	N+N	1.6267	0.68 (mg/L)
2022-2023 so far	Oil and Grease	80.633	15 (mg/L)
2022-2023 so far	Zinc	0.4923	0.26 (mg/L)

Further, despite applicable NELs for the Los Angeles River Tributaries for Ammonia (10.1 mg/L), copper (0.06749 mg/L), lead (0.094 mg/L), and cadmium (0.0031 mg/L), and despite stating that they were present at the Facility in its Annual Reports for the latter three, Monogram Aerospace does not sample for these pollutants. Yet, Monogram Aerospace conducts activities that involve these pollutants as part of its manufacturing process of fasteners for the aerospace industry. This includes using materials that range from a mixture of medium grade metal to high strength metals such as titanium. Additionally, Table 2.1 identifies metals as one of the associated pollutants for the following industrial activities: Handling customer material; vehicle use and parking; and maintenance activities. Notably, other facilities using the same SIC code 3452 do in fact test for Ammonia (10.1 mg/L), copper (0.06749 mg/L), lead (0.094 mg/L), and cadmium (0.0031 mg/L). Monogram Aerospace should also be testing for these metals since they are engaging in activities that involve metals and other facilities using SIC Code 3452 sample for them, and because the Facility specifies that they are present at the Facility in its Annual Reports specifically for copper, lead, and cadmium.

4. Monogram Aerospace Has Failed to Implement BAT and BCT

Dischargers must implement adequate BMPs that fulfill the BAT/BCT requirements of the CWA and the General Permit to reduce or prevent discharges of pollutants in their storm water discharges. General Permit Section V.A. To meet the BAT/BCT standard, dischargers must implement minimum BMPs and any advanced BMPs set forth in the General Permit's SWPPP Requirements provisions where necessary to reduce or prevent pollutants in discharges. See General Permit Sections X.H.1-2. Sampling results of orders of magnitude in excess of benchmark levels, as reported by Monogram Aerospace, are evidence that Monogram Aerospace does not have BMPs that achieve BAT/BCT (*Santa Monica Baykeeper v. Kramer Metals, Inc.* 619 F. Supp. 2d 914, 925 (C.D. Cal. 2009).)

Monogram Aerospace has failed to implement the minimum BMPs required by the General Permit at the Facility, including good housekeeping requirements; preventive maintenance requirements; spill and leak prevention and response requirements; material

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handling and waste management requirements; erosion and sediment controls; employee training and quality assurance; and record keeping. General Permit Sections X.H.1(a–g). The BMPs that are described in the Facility’s SWPPP are insufficient to prevent the NAL and NEL exceedances for constituents listed above. As evidenced by the sample results, the current BMPs at the Facility are inefficient, and the Facility’s Monitoring Implementation Plan needs improvement.

Monogram Aerospace has further failed to implement advanced BMPs necessary to reduce or prevent discharges of pollutants in its storm water sufficient to meet the BAT/BCT standards, including: exposure minimization BMPs; containment and discharge reduction BMPs; treatment control BMPs; or other advanced BMPs necessary to comply with the General Permit’s effluent limitations. General Permit Section X.H.2. The most recent BMPs implemented in the 2022 Level 2 ERA for N+N and O&G are not sufficient because exceedances are still occurring for both of those constituents. These BMPs are insufficient to achieve compliance with the General Permit.

Each day the Owners/Operators have failed to develop and implement BAT and BCT at the Facility in violation of the General Permit is a separate and distinct violation of Section 301(a) of the CWA (33 U.S.C. § 1311(a)). The violations described above were at all times in violation of Section X of the General Permit. Accordingly, the Owners/Operators have been in violation of the BAT and BCT requirements at the Facility every day since at least May 4, 2018.

5. Monogram Aerospace Has Failed to Develop and Implement an Adequate Storm Water Pollution Plan

The General Permit requires dischargers to develop and implement a site-specific SWPPP. General Permit Section X.A. The SWPPP must include, among other elements: (1) the facility name and contact information; (2) a site map; (3) a list of industrial materials; (4) a description of potential pollution sources; (5) an assessment of potential pollutant sources; (6) minimum BMPs; (7) advanced BMPs, if applicable; (8) a monitoring implementation plan; (9) annual comprehensive facility compliance evaluation; and (10) the date that the SWPPP was initially prepared and the date of each SWPPP amendment, if applicable. *See id.*

Dischargers must revise a facility’s SWPPP whenever necessary and certify and submit SMARTS their SWPPP within 30 days whenever the SWPPP contains significant revisions(s); and, certify and submit via SMARTS any non-significant revisions not more than once every three (3) months in the reporting year. General Permit Section X.B. The Monogram Aerospace most recent SWPPP was submitted to SMARTS in April 2022 to ostensibly conform to the conditions of the Industrial General Permit and the 2018 Industrial Storm Water General Permit Amendment. Yet, without implementation of BMPs meeting the Permit standard, LA Waterkeeper alleges that NAL and NEL exceedances are likely to occur in the future.

LA Waterkeeper’s investigation indicates that Monogram Aerospace has been operating with an inadequately developed or implemented SWPPP in violation of General Permit requirements since at least May 4, 2018. Monogram Aerospace has failed to evaluate the effectiveness of its BMPs and to revise its SWPPP as necessary, resulting in the Facility’s

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unlawful effluent limitation violations. As discussed above and as evidenced by the most recent storm water sampling from the Facility from January 9, 2023, the BMPs deployed at the Facility are insufficient to meet the NELs or the NALs.

Last, the General Permit requires a permittee whose discharges violate the General Permit's Receiving Water Limitations to implement additional BMPs or other control measures, in order to attain compliance with the receiving water limitation identifying what additional BMPs will be implemented to achieve water quality standards, along with an implementation schedule. General Permit Section I.E. These new BMPs must then be incorporated into the Facility's SWPPP. Information available to LA Waterkeeper indicates that the Facility Owners/Operators failed to implement sufficient additional BMPs as required by the General Permit following past violations of the NALs and NELs. As such, the Owners and/or Operators are in daily violation of this improved BMP requirement of the General Permit.

Each day the Owners/Operators failed to develop and implement an adequate SWPPP is a violation of the General Permit. The SWPPP violations described above were at all times in violation of Section X of the General Permit. The Owners/Operators have been in violation of these requirements at the Facility every day since at least May 4, 2018.

6. Monogram Aerospace has Failed to Develop, Implement, and/or Revise an Adequate Monitoring and Reporting Program

Section X.I of the General Permit requires Facility Owners/Operators to develop and implement a Monitoring Implementation Plan ("MIP"). The primary objective of the monitoring and reporting requirements is to detect and measure the concentrations of pollutants in a facility's discharge to ensure compliance with the General Permit's Discharge Prohibitions, Effluent Limitations, and Receiving Water Limitations. *See* General Permit Fact Sheet, Section II.J(1). Monitoring undertaken must therefore determine whether pollutants are being discharged, and whether response actions are necessary, and must evaluate the effectiveness of BMPs. *See* General Permit, Section I.K(70).

Section XI.A of the General Permit requires dischargers to visually observe and collect samples of storm water from all locations where storm water is discharged. Under XI.B of the General Permit, the Facility Owners/Operators are required to collect at least two (2) samples from each discharge location at their Facility during the first half of the reporting year, and then again during the second half of the reporting year. Storm water samples must be analyzed for total suspended solids, pH, oil & gas, and other pollutants that are likely to be present in the Facility's discharges in significant quantities, and as required under the General Permit pursuant to a Facility SIC Code. *See* General Permit Section XI.B(6). As detailed above, the Facility has an established history of insufficient sampling and reporting, in violation of the General Permit.

The Facility Owners'/Operators' failure to conduct sampling and monitoring as required by the General Permit demonstrates that it has failed to develop, implement, and/or revise an MIP that complies with the requirements of Section XI of the General Permit. Every day that the Facility Owners/Operators conduct operations in violation of the specific monitoring

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requirements of the General Permit, or with an inadequately developed and/or implemented MIP, is a separate and distinct violation of the General Permit, and the Clean Water Act. The Facility Owners/Operators have been in daily and continuous violation of the General Permit's MIP requirements every day since at least May 4, 2018. These violations are ongoing, and Waterkeeper will include additional violations when information becomes available, including specifically continuing violations of the General Permit monitoring requirements (*see* General Permit, Section XI). The Facility Owners/Operators are subject to civil penalties for all violations of the Clean Water Act occurring since June 2, 2015.

7. Failure to Comply with the General Permit's Reporting Requirements

Section XVI of the General Permit requires a permittee to submit an Annual Report to the Regional Board by July 1 of each year. Section XVI of the Permit requires that the Annual Report include a compliance checklist that indicates that a discharger complies with and has addressed all applicable requirements of the Permit, an affirmation of visual observations and sampling results, an identification and explanation of any non-compliance, an identification of all revisions made to the SWPPP, within the reporting year, and the date of the Annual Evaluation. General Permit Section XVI. Laboratory reports of sample analysis, the annual comprehensive site compliance evaluation report, an explanation of why a permittee did not implement any activities required are also reporting requirements throughout the reporting year and are typically uploaded into the SMARTS portal.

The Permit also requires a permittee whose discharges violate the General Permit's Receiving Water Limitations or water quality standards, such as, NALs, TMDLs, TNALs, and NELs, to implement additional BMPs or other control measures that are tailored to that facility in order to attain compliance with the receiving water limitation. *See* General Permit Section I.C.36. A Discharger that is notified by a Regional Board or who determines the discharge is causing or contributing to an exceedance of a water quality standard must comply with the Water Quality Based Corrective Actions in Section XX.B of the Permit and report to the Regional Board regarding same. *See* General Permit Section XX.B. A discharger who violates an NEL must also comply with the Water Quality Based Corrective Actions of the Permit. *See* General Permit Sections V(C), VII(A)(1), VII(E) and Attachment E. These requirements have not been met at Monogram Aerospace. Rather than committing to significant BMP upgrades in good faith the Owners/Operators have implemented measures that do not sufficiently address the exceedances and violations.

Information available to LA Waterkeeper indicates that the Facility Owners/Operators have failed to accurately report their non-compliance with the General Permit and collect storm water and then report storm water sampling analysis in compliance with the Permit, and thus the Facility's Annual Reports are inaccurate. As such, the Owners/Operators are in daily violation of the General Permit

In addition, the Owners/Operators have failed to prepare, implement, and report on its Water Quality Based Corrective Actions as required by the Permit. As such, the Owners/Operators are in daily violation of the General Permit. Every day the Monogram

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Aerospace Facility Owners/Operators conduct operations at the Facility without reporting as required by the General Permit is a separate and distinct violation of the General Permit and Section 301(a) of the Clean Water Act, 33 U.S.C. §1311(a). The Facility Owners/Operators have been in daily and continuous violation of the General Permit's reporting requirements every day since at least May 4, 2018. These violations are ongoing, and LA Waterkeeper will include additional violations when information becomes available, including specifically violations of the General Permit reporting requirements (*see* General Permit, Section XVI). The Facility Owners/Operators are subject to civil penalties for all violations of the Clean Water Act occurring since May 4, 2018.

III. Persons Responsible for the Violations

LA Waterkeeper puts Monogram Aerospace and Tri-Mas, Inc. on notice that they are the entities responsible for the violations described above. If additional persons are subsequently identified as also being responsible for the violations set forth above, LA Waterkeeper puts Monogram Aerospace and Tri-Mas, Inc., on formal notice that it intends to include those persons in this action.

IV. Name and Address of Noticing Party

The name, mailing address, and telephone number of the noticing party is as follows:

Barak J. Kamelgard
Benjamin A. Harris
Los Angeles Waterkeeper
360 E 2nd Street Suite 250
Los Angeles, CA 90012
(310) 394-6162
Barak@lawwaterkeeper.org
Ben@lawwaterkeeper.org

V. Counsel

LA Waterkeeper has retained legal counsel to represent it in this matter. Please direct all communications to:

Jason R. Flanders
Kenya Rothstein
Aqua Terra Aeris Law Group
4030 Martin Luther King Jr. Way
Oakland, CA 94609
(916) 202-3018
jrf@atalawgroup.com
ksr@atalawgroup.com

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VI. Conclusion

LA Waterkeeper believes this Notice of Violations and Intent to File Suit sufficiently states grounds for filing suit. We intend to file a citizen suit under Section 505(a) of the CWA against Monogram Aerospace and its agents for the above-referenced violations upon the expiration of the 60-day notice period. If you wish to pursue remedies in the absence of litigation, we suggest that you initiate those discussions within the next twenty (20) days so that they may be completed before the end of the 60-day notice period. We do not intend to delay the filing of a complaint in federal court if discussions are continuing when that period ends.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kenya S. Rothstein".

Kenya S. Rothstein
Aqua Terra Aeris Law Group

SERVICE LIST

VIA US MAIL

Merrick Garland
U.S. Attorney General
U.S. Department of Justice
950 Pennsylvania Avenue, N.W.
Washington, D.C. 20530-0001

Martha Guzman
Regional Administrator
U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, California 94105

Michael S. Regan
Administrator
U.S. Environmental Protection Agency
William Jefferson Clinton Building
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460 (1101A)

Deborah Smith
Executive Officer
Los Angeles Regional Water Quality Control
Board
320 W 4th Street, #200
Los Angeles, California 90013

Eileen Sobeck
Executive Director
State Water Resources Control Board
P.O. Box 100
Sacramento, California 95812-0100

Attachment A

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service

**Record of Climatological
Observations**
These data are quality controlled and may not
be identical to the original observations.

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	03	01																
2018	03	02																
2018	03	03																
2018	03	04																
2018	03	05																
2018	03	06																
2018	03	07																
2018	03	08																
2018	03	09																
2018	03	10																
2018	03	11																
2018	03	12																
2018	03	13																
2018	03	14																
2018	03	15																
2018	03	16																
2018	03	17																
2018	03	18																
2018	03	19																
2018	03	20																
2018	03	21																
2018	03	22	65	57		0.56												
2018	03	23	69	55		0.00												
2018	03	24	65	54		0.00												
2018	03	25	64	51		0.00												
2018	03	26	72	48		0.00												
2018	03	27	77	50		0.00												
2018	03	28	76	52		0.00												
2018	03	29	74	51		0.00												
2018	03	30	76	52		0.00												
2018	03	31	70	52		0.00												
Summary			71	52		0.56		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.

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			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	04	01	70	55		0.00												
2018	04	02	69	56		0.00												
2018	04	03	70	55		0.00												
2018	04	04	66	54		0.00												
2018	04	05	68	57		0.00												
2018	04	06	70	55		0.00												
2018	04	07	72	59		0.00												
2018	04	08	75	55		0.00												
2018	04	09	95	56		0.00												
2018	04	10	88	61		0.00												
2018	04	11	80	58		0.00												
2018	04	12	70	55		0.00												
2018	04	13	79	56		0.00												
2018	04	14	87	57		0.00												
2018	04	15	79	55		0.00												
2018	04	16	65	52		0.00												
2018	04	17	71	51		0.00												
2018	04	18	72	53		0.00												
2018	04	19	63	51		0.02												
2018	04	20	74	54		0.00												
2018	04	21	83	53		0.00												
2018	04	22	79	57		0.00												
2018	04	23	76	55		0.00												
2018	04	24	70	53		0.00												
2018	04	25	70	55		0.00												
2018	04	26	71	55		0.00												
2018	04	27	70	55		0.00												
2018	04	28	70	54		0.00												
2018	04	29	69	55		0.00												
2018	04	30	68	55		T												
Summary			74	55		0.02		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

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National Centers for Environmental Information
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Generated on 03/22/2023

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			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	05	01	61	55		0.02												
2018	05	02	65	54		T												
2018	05	03	69	52		0.00												
2018	05	04	90	56		0.00												
2018	05	05	86	59		0.00												
2018	05	06	83	58		0.00												
2018	05	07	76	55		0.00												
2018	05	08	76	58		0.00												
2018	05	09	75	59		0.00												
2018	05	10	76	60		0.00												
2018	05	11	65	60		0.00												
2018	05	12	66	57		T												
2018	05	13	70	58		0.03												
2018	05	14	72	56		0.00												
2018	05	15	71	58		0.00												
2018	05	16	75	57		0.00												
2018	05	17	74	57		0.00												
2018	05	18	70	59		0.00												
2018	05	19	68	58		0.00												
2018	05	20	70	60		0.00												
2018	05	21	67	60		0.04												
2018	05	22	68	59		0.00												
2018	05	23	69	59		0.00												
2018	05	24	67	60		0.00												
2018	05	25	69	57		0.00												
2018	05	26	72	57		0.00												
2018	05	27	74	58		0.00												
2018	05	28	73	58		0.00												
2018	05	29	72	61		0.00												
2018	05	30	70	60		0.00												
2018	05	31	72	60		0.00												
Summary			72	58		0.09		0.0										

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*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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**Record of Climatological
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	06	01	75	58		0.00												
2018	06	02	80	59		0.00												
2018	06	03	79	60		0.00												
2018	06	04	77	60		0.00												
2018	06	05	73	62		0.00												
2018	06	06	74	60		0.00												
2018	06	07	77	58		0.00												
2018	06	08	81	59		0.00												
2018	06	09	82	62		0.00												
2018	06	10	80	62		0.00												
2018	06	11	81	63		0.00												
2018	06	12	84	63		0.00												
2018	06	13	80	61		0.00												
2018	06	14	88	61		0.00												
2018	06	15	82	63		0.00												
2018	06	16	75	64		0.00												
2018	06	17	70	61		0.00												
2018	06	18	72	60		0.00												
2018	06	19	75	61		0.00												
2018	06	20	80	60		0.00												
2018	06	21	78	65		0.00												
2018	06	22	78	63		0.00												
2018	06	23	74	64		0.00												
2018	06	24	77	63		0.00												
2018	06	25	79	64		0.00												
2018	06	26	78	64		0.00												
2018	06	27	80	63		0.00												
2018	06	28	79	63		0.00												
2018	06	29	79	66		0.00												
2018	06	30	80	66		0.00												
Summary			78	62		0.00		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	07	01	78	65		0.00												
2018	07	02	78	64		0.00												
2018	07	03	80	64		0.00												
2018	07	04	82	65		0.00												
2018	07	05	88	63		0.00												
2018	07	06	108	69		0.00												
2018	07	07	104	79		0.00												
2018	07	08	98	75		0.00												
2018	07	09	96	74		0.00												
2018	07	10	91	73		0.00												
2018	07	11	90	72		0.00												
2018	07	12	88	70		0.00												
2018	07	13	83	69		0.00												
2018	07	14	84	69		0.00												
2018	07	15	87	70		0.00												
2018	07	16	84	69		0.00												
2018	07	17	81	68		0.00												
2018	07	18	83	69		0.00												
2018	07	19	86	70		0.00												
2018	07	20	82	69		0.00												
2018	07	21	82	69		0.00												
2018	07	22	88	68		0.00												
2018	07	23	93	70		0.00												
2018	07	24	94	72		0.00												
2018	07	25	90	72		0.00												
2018	07	26	88	71		0.00												
2018	07	27	84	70		0.00												
2018	07	28	86	70		0.00												
2018	07	29	96	70		0.00												
2018	07	30	87	70		0.00												
2018	07	31	88	70		0.00												
Summary			88	70		0.00		0.0										

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151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	08	01	90	71		0.00												
2018	08	02	90	71		0.00												
2018	08	03	92	70		0.00												
2018	08	04	90	68		0.00												
2018	08	05	89	68		0.00												
2018	08	06	93	69		0.00												
2018	08	07	96	71		0.00												
2018	08	08	98	72		0.00												
2018	08	09	97	71		0.00												
2018	08	10	93	73		0.00												
2018	08	11	90	73		0.00												
2018	08	12	88	69		0.00												
2018	08	13	86	68		0.00												
2018	08	14	84	68		0.00												
2018	08	15	86	69		0.00												
2018	08	16	86	72		0.00												
2018	08	17	87	72		0.00												
2018	08	18	85	71		0.00												
2018	08	19	86	69		0.00												
2018	08	20	86	70		0.00												
2018	08	21	86	70		0.00												
2018	08	22	84	70		0.00												
2018	08	23	84	68		0.00												
2018	08	24	84	67		0.00												
2018	08	25	81	67		0.00												
2018	08	26	82	66		0.00												
2018	08	27	81	67		0.00												
2018	08	28	81	65		0.00												
2018	08	29	85	67		0.00												
2018	08	30	87	65		0.00												
2018	08	31	85	65		0.00												
Summary			87	69		0.00		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	09	01	82	67		0.00												
2018	09	02	79	69		0.00												
2018	09	03	79	69		0.00												
2018	09	04	76	68		0.00												
2018	09	05	77	67		0.00												
2018	09	06	76	66		0.00												
2018	09	07	82	65		0.00												
2018	09	08	84	65		0.00												
2018	09	09	89	64		0.00												
2018	09	10	84	67		0.00												
2018	09	11	82	68		0.00												
2018	09	12	81	66		0.00												
2018	09	13	85	64		0.00												
2018	09	14	92	65		0.00												
2018	09	15	86	65		0.00												
2018	09	16	87	64		0.00												
2018	09	17	87	62		0.00												
2018	09	18	85	61		0.00												
2018	09	19	81	61		0.00												
2018	09	20	82	63		0.00												
2018	09	21	80	65		0.00												
2018	09	22	81	64		0.00												
2018	09	23	80	65		0.00												
2018	09	24	79	64		0.00												
2018	09	25	73	63		0.00												
2018	09	26	80	63		0.00												
2018	09	27	80	64		0.00												
2018	09	28	82	64		0.00												
2018	09	29	81	65		0.00												
2018	09	30	85	61		0.00												
Summary			82	65		0.00		0.0										

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Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	10	01	90	66		0.00												
2018	10	02	82	67		0.00												
2018	10	03	80	68		T												
2018	10	04	79	65		0.00												
2018	10	05	77	65		0.00												
2018	10	06	77	64		0.00												
2018	10	07	78	63		0.00												
2018	10	08	77	63		0.00												
2018	10	09	77	63		0.00												
2018	10	10	73	63		0.00												
2018	10	11	75	60		0.00												
2018	10	12	81	60		0.42												
2018	10	13	71	62		0.15												
2018	10	14	73	62		0.00												
2018	10	15	82	59		0.00												
2018	10	16	83	54		0.00												
2018	10	17	83	57		0.00												
2018	10	18	85	58		0.00												
2018	10	19	89	60		0.00												
2018	10	20	90	61		0.00												
2018	10	21	81	62		0.00												
2018	10	22	76	63		0.00												
2018	10	23	73	62		0.00												
2018	10	24	79	62		0.00												
2018	10	25	79	63		0.00												
2018	10	26	84	61		0.00												
2018	10	27	84	59		0.00												
2018	10	28	81	58		0.00												
2018	10	29	74	58		0.00												
2018	10	30	74	61		0.00												
2018	10	31	80	55		0.00												
Summary			80	61		0.57		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	11	01	82	56		0.00												
2018	11	02	88	58		0.00												
2018	11	03	86	58		0.00												
2018	11	04	82	59		0.00												
2018	11	05	77	61		0.00												
2018	11	06	75	62		0.00												
2018	11	07	71	60		0.00												
2018	11	08	75	58		0.00												
2018	11	09	82	50		0.00												
2018	11	10	78	53		0.00												
2018	11	11	78	50		0.00												
2018	11	12	78	48		0.00												
2018	11	13	76	47		0.00												
2018	11	14	79	54		0.00												
2018	11	15	80	51		0.00												
2018	11	16	76	52		0.00												
2018	11	17	72	58		0.00												
2018	11	18	74	55		0.00												
2018	11	19	73	52		0.00												
2018	11	20	74	50		0.00												
2018	11	21	71	53		0.07												
2018	11	22	68	56		0.42												
2018	11	23	69	54		0.00												
2018	11	24	71	55		0.00												
2018	11	25	76	56		0.00												
2018	11	26	78	54		0.00												
2018	11	27	76	56		0.00												
2018	11	28	69	55		0.07												
2018	11	29	65	54		1.02												
2018	11	30	67	53		0.00												
Summary			76	55		1.58		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2018	12	01	66	48		0.00												
2018	12	02	65	52		0.00												
2018	12	03	68	51		0.00												
2018	12	04	71	51		0.00												
2018	12	05	61	52		0.20												
2018	12	06	58	50		1.91												
2018	12	07	70	49		0.00												
2018	12	08	72	52		0.00												
2018	12	09	72	53		0.00												
2018	12	10	68	56		0.00												
2018	12	11	70	50		0.00												
2018	12	12	66	52		0.00												
2018	12	13	77	48		0.00												
2018	12	14	69	56		0.00												
2018	12	15	72	47		0.00												
2018	12	16	71	46		0.00												
2018	12	17	68	55		T												
2018	12	18	68	53		0.00												
2018	12	19	75	49		0.00												
2018	12	20	76	49		0.00												
2018	12	21	71	55		0.00												
2018	12	22	70	49		0.00												
2018	12	23	67	47		0.00												
2018	12	24	67	53		0.00												
2018	12	25	67	52		0.00												
2018	12	26	66	47		0.00												
2018	12	27	67	49		0.00												
2018	12	28	62	45		0.00												
2018	12	29	62	39		0.00												
2018	12	30	66	41		0.00												
2018	12	31	63	46		0.00												
Summary			68	50		2.11		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

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U.S. Department of Commerce
National Oceanic & Atmospheric Administration
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**Record of Climatological
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	01	01	62	38		0.00												
2019	01	02	63	38		0.00												
2019	01	03	67	43		0.00												
2019	01	04	66	45		0.00												
2019	01	05	58	48		0.55												
2019	01	06	61	46		T												
2019	01	07	61	51		0.20												
2019	01	08	72	50		0.00												
2019	01	09	67	47		0.00												
2019	01	10	65	49		0.00												
2019	01	11	65	51		0.00												
2019	01	12	60	52		0.74												
2019	01	13	61	49		0.00												
2019	01	14	57	52		1.00												
2019	01	15	59	50		0.55												
2019	01	16	60	53		0.99												
2019	01	17	62	56		0.93												
2019	01	18	67	54		0.00												
2019	01	19	78	51		0.00												
2019	01	20	74	54		0.00												
2019	01	21	63	53		0.00												
2019	01	22	67	47		0.00												
2019	01	23	67	45		0.00												
2019	01	24	77	46		0.00												
2019	01	25	77	48		0.00												
2019	01	26	77	50		0.00												
2019	01	27	77	51		0.00												
2019	01	28	75	50		0.00												
2019	01	29	71	55		0.00												
2019	01	30	68	54		0.00												
2019	01	31	60	52		0.99												
Summary			67	49		5.95		0.0										

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"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	02	01	64	48		T												
2019	02	02	59	53		1.73												
2019	02	03	60	52		0.46												
2019	02	04	60	51		0.27												
2019	02	05	56	46		0.24												
2019	02	06	57	43		0.00												
2019	02	07	62	43		0.00												
2019	02	08	63	44		0.00												
2019	02	09	60	47		0.26												
2019	02	10	58	47		0.12												
2019	02	11	61	40		0.00												
2019	02	12	69	42		0.00												
2019	02	13	61	52		0.09												
2019	02	14	63	53		2.12												
2019	02	15	61	49		0.18												
2019	02	16	60	45		0.00												
2019	02	17	58	44		T												
2019	02	18	59	43		0.00												
2019	02	19	60	41		0.00												
2019	02	20	57	43		0.08												
2019	02	21	57	43		0.00												
2019	02	22	62	40		0.00												
2019	02	23	62	46		0.00												
2019	02	24	66	46		0.00												
2019	02	25	68	48		0.00												
2019	02	26	66	47		0.00												
2019	02	27	66	50		0.01												
2019	02	28	67	56		0.03												
Summary			62	47		5.59		0.0										

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"s" This data value failed one of NCEI's quality control tests.

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	03	01	66	57		0.00												
2019	03	02	62	55		0.89												
2019	03	03	63	54		0.00												
2019	03	04	65	52		0.00												
2019	03	05	67	49		0.05												
2019	03	06	61	54		1.25												
2019	03	07	62	51		0.00												
2019	03	08	60	49		0.00												
2019	03	09	62	50		0.00												
2019	03	10	62	49		0.00												
2019	03	11	67	50		0.00												
2019	03	12	71	55		0.00												
2019	03	13	69	51		0.00												
2019	03	14	71	48		0.00												
2019	03	15	76	48		0.00												
2019	03	16	81	50		0.00												
2019	03	17	85	57		0.00												
2019	03	18	79	57		0.00												
2019	03	19	69	55		0.00												
2019	03	20	67	54		T												
2019	03	21	63	52		T												
2019	03	22	66	49		0.00												
2019	03	23	66	55		0.00												
2019	03	24	70	53		0.00												
2019	03	25	75	53		0.00												
2019	03	26	72	53		0.00												
2019	03	27	70	56		0.00												
2019	03	28	67	54		0.00												
2019	03	29	73	51		0.00												
2019	03	30	80	54		0.00												
2019	03	31	85	60		0.00												
Summary			69	53		2.19		0.0										

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151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	04	01	84	61		0.00												
2019	04	02	71	59		0.00												
2019	04	03	67	57		0.00												
2019	04	04	67	56		0.01												
2019	04	05	67	54		0.00												
2019	04	06	70	56		0.00												
2019	04	07	79	56		0.00												
2019	04	08	87	60		0.00												
2019	04	09	80	62		0.00												
2019	04	10	77	59		0.00												
2019	04	11	74	57		0.00												
2019	04	12	77	57		0.00												
2019	04	13	79	56		0.00												
2019	04	14	73	54		0.00												
2019	04	15	67	52		0.00												
2019	04	16	65	57		0.00												
2019	04	17	75	54		0.00												
2019	04	18	82	56		0.00												
2019	04	19	73	57		0.00												
2019	04	20	66	57		0.00												
2019	04	21	70	55		0.00												
2019	04	22	69	55		0.00												
2019	04	23	78	56		0.00												
2019	04	24	79	58		0.00												
2019	04	25	77	58		0.00												
2019	04	26	71	58		0.00												
2019	04	27	69	59		0.00												
2019	04	28	70	58		0.00												
2019	04	29	68	56		0.01												
2019	04	30	67	57		0.00												
Summary			73	57		0.02		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	05	01	70	54		0.00												
2019	05	02	69	55		0.00												
2019	05	03	73	56		0.00												
2019	05	04	73	59		0.00												
2019	05	05	72	58		0.01												
2019	05	06	69	57		0.02												
2019	05	07	67	57		0.00												
2019	05	08	65	59		T												
2019	05	09	66	60		0.00												
2019	05	10	69	59		0.00												
2019	05	11	75	57		0.00												
2019	05	12	75	61		0.00												
2019	05	13	71	62		0.00												
2019	05	14	73	60		0.00												
2019	05	15	68	60		0.00												
2019	05	16	67	58		0.48												
2019	05	17	72	54		0.00												
2019	05	18	72	56		0.01												
2019	05	19	65	52		0.21												
2019	05	20	69	54		0.00												
2019	05	21	67	58		T												
2019	05	22	68	56		0.04												
2019	05	23	64	56		T												
2019	05	24	71	53		0.00												
2019	05	25	71	56		0.00												
2019	05	26	62	53		0.04												
2019	05	27	68	49		0.00												
2019	05	28	71	55		0.00												
2019	05	29	77	57		0.00												
2019	05	30	76	59		0.00												
2019	05	31	72	59		0.00												
Summary			70	57		0.81		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	06	01	67	61		0.00												
2019	06	02	67	60		0.00												
2019	06	03	70	60		0.00												
2019	06	04	74	61		0.00												
2019	06	05	75	63		0.00												
2019	06	06	75	63		0.00												
2019	06	07	72	62		0.00												
2019	06	08	79	63		0.00												
2019	06	09	82	63		0.00												
2019	06	10	92	63		0.00												
2019	06	11	90	65		0.00												
2019	06	12	80	63		0.00												
2019	06	13	73	62		0.00												
2019	06	14	73	63		0.00												
2019	06	15	75	64		0.00												
2019	06	16	73	63		0.00												
2019	06	17	73	63		0.00												
2019	06	18	72	63		0.00												
2019	06	19	79	65		0.00												
2019	06	20	73	65		0.00												
2019	06	21	71	62		T												
2019	06	22	74	63		0.00												
2019	06	23	77	62		0.00												
2019	06	24	72	63		0.00												
2019	06	25	71	64		0.00												
2019	06	26	73	62		0.00												
2019	06	27	77	62		0.00												
2019	06	28	81	63		0.00												
2019	06	29	85	60		0.00												
2019	06	30	86	63		0.00												
Summary			76	63		0.00		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	07	01	84	64		0.00												
2019	07	02	82	65		0.00												
2019	07	03	80	65		0.00												
2019	07	04	75	64		0.00												
2019	07	05	78	62		0.00												
2019	07	06	78	64		0.00												
2019	07	07	75	65		0.00												
2019	07	08	75	65		0.00												
2019	07	09	80	63		0.00												
2019	07	10	79	63		0.00												
2019	07	11	85	63		0.00												
2019	07	12	86	64		0.00												
2019	07	13	85	65		0.00												
2019	07	14	81	66		0.00												
2019	07	15	84	63		0.00												
2019	07	16	85	65		0.00												
2019	07	17	82	67		0.00												
2019	07	18	82	65		0.00												
2019	07	19	82	64		0.00												
2019	07	20	80	65		0.00												
2019	07	21	81	64		0.00												
2019	07	22	85	64		0.00												
2019	07	23	92	69		0.00												
2019	07	24	95	71		0.00												
2019	07	25	93	72		T												
2019	07	26	91	69		0.00												
2019	07	27	90	69		0.00												
2019	07	28	85	68		0.00												
2019	07	29	83	66		0.00												
2019	07	30	84	67		0.00												
2019	07	31	83	67		0.00												
Summary			83	66		0.00		0.0										

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Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	08	01	83	66		0.00												
2019	08	02	84	66		0.00												
2019	08	03	87	66		0.00												
2019	08	04	86	66		0.00												
2019	08	05	85	64		0.00												
2019	08	06	88	67		0.00												
2019	08	07	83	65		0.00												
2019	08	08	80	64		0.00												
2019	08	09	83	64		0.00												
2019	08	10	83	64		0.00												
2019	08	11	84	65		0.00												
2019	08	12	84	64		0.00												
2019	08	13	83	65		0.00												
2019	08	14	83	63		0.00												
2019	08	15	82	62		0.00												
2019	08	16	81	63		0.00												
2019	08	17	81	67		0.00												
2019	08	18	80	65		0.00												
2019	08	19	82	65		0.00												
2019	08	20	86	65		0.00												
2019	08	21	90	63		0.00												
2019	08	22	84	67		0.00												
2019	08	23	83	66		0.00												
2019	08	24	88	67		0.00												
2019	08	25	89	68		0.00												
2019	08	26	92	69		0.00												
2019	08	27	89	70		0.00												
2019	08	28	86	70		0.00												
2019	08	29	86	69		0.00												
2019	08	30	90	71		0.00												
2019	08	31	89	69		0.00												
Summary			85	66		0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	09	01	85	68		0.00												
2019	09	02	97	71		0.00												
2019	09	03	92	72		0.00												
2019	09	04	95	72		0.00												
2019	09	05	94	73		0.00												
2019	09	06	93	73		0.00												
2019	09	07	89	67		0.00												
2019	09	08	81	65		0.00												
2019	09	09	82	66		0.00												
2019	09	10	79	68		0.00												
2019	09	11	82	68		0.00												
2019	09	12	85	66		0.00												
2019	09	13	91	67		0.00												
2019	09	14	95	70		0.00												
2019	09	15	87	67		0.00												
2019	09	16	83	67		T												
2019	09	17	83	68		0.00												
2019	09	18	83	67		0.00												
2019	09	19	82	67		0.00												
2019	09	20	82	65		0.00												
2019	09	21	87	65		0.00												
2019	09	22	94	67		0.00												
2019	09	23	84	67		0.00												
2019	09	24	85	65		0.00												
2019	09	25	86	69		0.00												
2019	09	26	79	70		0.00												
2019	09	27	77	69		0.00												
2019	09	28	72	64		0.03												
2019	09	29	76	60		0.00												
2019	09	30	76	57		0.00												
Summary			85	67		0.03		0.0										

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*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	10	01	76	59		0.00												
2019	10	02	81	60		0.00												
2019	10	03	79	59		0.00												
2019	10	04	79	59		0.00												
2019	10	05	83	60		0.00												
2019	10	06	89	58		0.00												
2019	10	07	85	60		0.00												
2019	10	08	81	60		0.00												
2019	10	09	77	62		0.00												
2019	10	10	83	65		0.00												
2019	10	11	89	57		0.00												
2019	10	12	86	60		0.00												
2019	10	13	78	57		0.00												
2019	10	14	76	62		0.00												
2019	10	15	83	60		0.00												
2019	10	16	95	62		0.00												
2019	10	17	79	64		0.00												
2019	10	18	77	62		0.00												
2019	10	19	80	60		0.00												
2019	10	20	88	62		0.00												
2019	10	21	92	67		0.00												
2019	10	22	97	64		0.00												
2019	10	23	93	64		0.00												
2019	10	24	97	64		0.00												
2019	10	25	93	64		0.00												
2019	10	26	89	64		0.00												
2019	10	27	74	62		0.00												
2019	10	28	77	57		0.00												
2019	10	29	73	54		0.00												
2019	10	30	77	55		0.00												
2019	10	31	79	53		0.00												
Summary			83	61		0.00		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	11	01	84	57		0.00												
2019	11	02	86	55		0.00												
2019	11	03	81	52		0.00												
2019	11	04	82	53		0.00												
2019	11	05	80	53		0.00												
2019	11	06	73	55		0.00												
2019	11	07	75	60		0.00												
2019	11	08	85	55		0.00												
2019	11	09	91	59		0.00												
2019	11	10	77	57		0.00												
2019	11	11	73	62		0.00												
2019	11	12	77	59		0.00												
2019	11	13	73	59		0.00												
2019	11	14	72	57		0.00												
2019	11	15	72	58		0.00												
2019	11	16	80	53		0.00												
2019	11	17	92	55		0.00												
2019	11	18	92	63		0.00												
2019	11	19	80	61		T												
2019	11	20	64	52		0.63												
2019	11	21	68	54		0.00												
2019	11	22	72	54		0.00												
2019	11	23	76	55		0.00												
2019	11	24	78	52		0.00												
2019	11	25	71	51		0.00												
2019	11	26	68	54		0.00												
2019	11	27	59	50		0.49												
2019	11	28	52	47		1.00												
2019	11	29	60	43		0.00												
2019	11	30	61	47		T												
Summary			75	55		2.12		0.0										

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Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2019	12	01	65	52		0.00												
2019	12	02	71	51		0.00												
2019	12	03	69	54		T												
2019	12	04	64	57		1.12												
2019	12	05	69	53		0.00												
2019	12	06	69	56		0.04												
2019	12	07	68	62		0.01												
2019	12	08	66	57		0.20												
2019	12	09	71	52		0.00												
2019	12	10	69	51		0.00												
2019	12	11	69	50		0.00												
2019	12	12	74	53		0.00												
2019	12	13	71	54		0.00												
2019	12	14	68	56		T												
2019	12	15	64	53		0.00												
2019	12	16	70	48		0.00												
2019	12	17	71	43		0.00												
2019	12	18	65	46		0.00												
2019	12	19	69	45		0.00												
2019	12	20	77	50		0.00												
2019	12	21	75	52		0.00												
2019	12	22	69	54		0.80												
2019	12	23	60	51		0.92												
2019	12	24	64	48		0.00												
2019	12	25	61	51		1.07												
2019	12	26	56	47		0.68												
2019	12	27	66	44		0.00												
2019	12	28	64	44		0.00												
2019	12	29	63	47		0.00												
2019	12	30	66	54		0.00												
2019	12	31	75	49		0.00												
Summary			68	51		4.84		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	01	01	70	49		0.00												
2020	01	02	70	50		0.00												
2020	01	03	76	51		0.00												
2020	01	04	72	48		0.00												
2020	01	05	71	48		0.00												
2020	01	06	79	48		0.00												
2020	01	07	79	56		0.00												
2020	01	08	66	53		0.00												
2020	01	09	64	51		T												
2020	01	10	67	47		0.00												
2020	01	11	65	46		0.00												
2020	01	12	65	49		0.00												
2020	01	13	65	49		0.00												
2020	01	14	65	48		0.00												
2020	01	15	67	47		0.00												
2020	01	16	63	50		0.15												
2020	01	17	65	49		0.15												
2020	01	18	73	49		0.00												
2020	01	19	77	54		0.00												
2020	01	20	65	56		0.00												
2020	01	21	65	54		0.02												
2020	01	22	67	52		0.00												
2020	01	23	76	51		0.00												
2020	01	24	75	52		0.00												
2020	01	25	72	53		0.00												
2020	01	26	63	56		0.00												
2020	01	27	73	53		0.00												
2020	01	28	77	55		0.00												
2020	01	29	78	57		0.00												
2020	01	30	76	52		0.00												
2020	01	31	83	51		0.00												
Summary			71	51		0.32		0.0										

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Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	02	01	86	55		0.00												
2020	02	02	72	55		0.00												
2020	02	03	63	48		0.00												
2020	02	04	62	42		0.00												
2020	02	05	64	44		0.00												
2020	02	06	67	47		0.00												
2020	02	07	69	48		0.00												
2020	02	08	70	51		0.00												
2020	02	09	63	54		T												
2020	02	10	76	52		0.00												
2020	02	11	74	52		0.00												
2020	02	12	69	50		0.00												
2020	02	13	71	50		0.00												
2020	02	14	71	49		0.00												
2020	02	15	70	49		0.00												
2020	02	16	72	51		0.00												
2020	02	17	70	51		0.00												
2020	02	18	72	56		0.00												
2020	02	19	70	57		0.00												
2020	02	20	81	52		0.00												
2020	02	21	80	58		0.00												
2020	02	22	66	59		0.04												
2020	02	23	68	53		0.00												
2020	02	24	71	52		0.00												
2020	02	25	83	52		0.00												
2020	02	26	81	53		0.00												
2020	02	27	86	57		0.00												
2020	02	28	88	64		0.00												
2020	02	29	73	60		0.00												
Summary			73	52		0.04		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	03	01	63	54		0.01												
2020	03	02	74	50		T												
2020	03	03	82	56		0.00												
2020	03	04	75	58		0.00												
2020	03	05	75	58		0.00												
2020	03	06	72	57		0.00												
2020	03	07	67	57		0.00												
2020	03	08	67	52		0.00												
2020	03	09	75	53		0.04												
2020	03	10	67	59		0.25												
2020	03	11	73	60		0.00												
2020	03	12	64	56		1.30												
2020	03	13	60	55		0.50												
2020	03	14	61	57		0.26												
2020	03	15	65	54		0.05												
2020	03	16	65	52		0.38												
2020	03	17	63	47		T												
2020	03	18	65	48		0.00												
2020	03	19	64	51		T												
2020	03	20	66	54		T												
2020	03	21	69	55		0.01												
2020	03	22	74	53		1.51												
2020	03	23	67	55		0.03												
2020	03	24	66	52		T												
2020	03	25	66	54		0.00												
2020	03	26	64	49		0.00												
2020	03	27	67	50		0.00												
2020	03	28	68	54		0.00												
2020	03	29	69	54		0.00												
2020	03	30	75	54		0.00												
2020	03	31	78	56		0.00												
Summary			69	54		4.34		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

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**Record of Climatological
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	04	01	75	60		0.00												
2020	04	02	72	60		0.00												
2020	04	03	71	57		0.00												
2020	04	04	70	57		0.00												
2020	04	05	65	57		0.12												
2020	04	06	64	56		1.10												
2020	04	07	67	53		0.82												
2020	04	08	64	52		0.01												
2020	04	09	57	52		0.75												
2020	04	10	67	51		0.16												
2020	04	11	73	53		0.00												
2020	04	12	63	58		0.06												
2020	04	13	67	56		0.00												
2020	04	14	74	53		0.00												
2020	04	15	83	56		0.00												
2020	04	16	78	58		0.00												
2020	04	17	71	59		0.00												
2020	04	18	69	60		0.00												
2020	04	19	70	59		0.00												
2020	04	20	69	59		0.00												
2020	04	21	74	58		0.00												
2020	04	22	82	58		0.00												
2020	04	23	92	65		0.00												
2020	04	24	93	66		0.00												
2020	04	25	93	69		0.00												
2020	04	26	88	64		0.00												
2020	04	27	81	63		0.00												
2020	04	28	85	64		0.00												
2020	04	29	79	64		0.00												
2020	04	30	76	64		0.00												
Summary			74	59		3.02		0.0										

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"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)		Precipitation						Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	05	01	79	62		0.00												
2020	05	02	79	63		0.00												
2020	05	03	77	61		0.00												
2020	05	04	83	60		0.00												
2020	05	05	89	64		0.00												
2020	05	06	92	65		0.00												
2020	05	07	95	68		0.00												
2020	05	08	89	65		0.00												
2020	05	09	79	64		0.00												
2020	05	10	76	63		0.00												
2020	05	11	75	61		0.00												
2020	05	12	73	60		0.00												
2020	05	13	75	59		0.00												
2020	05	14	77	62		0.00												
2020	05	15	80	65		0.00												
2020	05	16	82	62		0.00												
2020	05	17	83	65		0.00												
2020	05	18	75	61		0.14												
2020	05	19	73	57		0.00												
2020	05	20	77	61		0.00												
2020	05	21	80	59		0.00												
2020	05	22	79	62		0.00												
2020	05	23	75	61		0.00												
2020	05	24	79	58		0.00												
2020	05	25	77	59		0.00												
2020	05	26	82	60		0.00												
2020	05	27	81	60		0.00												
2020	05	28	75	62		0.00												
2020	05	29	73	63		0.00												
2020	05	30	75	61		0.00												
2020	05	31	75	59		0.00												
Summary			79	62		0.14		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	06	01	81	61		0.00												
2020	06	02	83	62		0.00												
2020	06	03	91	64		0.00												
2020	06	04	79	64		0.00												
2020	06	05	73	64		0.00												
2020	06	06	74	62		0.00												
2020	06	07	77	62		0.00												
2020	06	08	88	65		0.00												
2020	06	09	98	66		0.00												
2020	06	10	98	67		0.00												
2020	06	11	91	63		0.00												
2020	06	12	79	62		0.00												
2020	06	13	77	62		0.00												
2020	06	14	80	61		0.00												
2020	06	15	80	62		0.00												
2020	06	16	76	64		0.00												
2020	06	17	75	64		0.00												
2020	06	18	73	63		0.00												
2020	06	19	76	63		0.00												
2020	06	20	72	64		0.00												
2020	06	21	76	64		0.00												
2020	06	22	80	64		0.00												
2020	06	23	78	63		0.00												
2020	06	24	79	62		0.00												
2020	06	25	78	64		0.00												
2020	06	26	76	62		0.00												
2020	06	27	77	62		0.00												
2020	06	28	72	64		0.00												
2020	06	29	74	63		0.00												
2020	06	30	75	61		0.00												
Summary			80	63		0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

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"s" This data value failed one of NCEI's quality control tests.

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g				Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	07	01	76	63		0.00												
2020	07	02	79	64		0.00												
2020	07	03	81	61		0.00												
2020	07	04	85	64		0.00												
2020	07	05	91	64		0.00												
2020	07	06	87	65		0.00												
2020	07	07	84	65		0.00												
2020	07	08	84	64		0.00												
2020	07	09	83	64		0.00												
2020	07	10	86	63		0.00												
2020	07	11	90	65		0.00												
2020	07	12	92	68		0.00												
2020	07	13	85	66		0.00												
2020	07	14	81	64		0.00												
2020	07	15	80	63		0.00												
2020	07	16	79	63		0.00												
2020	07	17	78	63		0.00												
2020	07	18	77	62		0.00												
2020	07	19	80	62		0.00												
2020	07	20	79	62		0.00												
2020	07	21	81	61		0.00												
2020	07	22	74	60		0.00												
2020	07	23	76	62		0.00												
2020	07	24	79	61		0.00												
2020	07	25	80	61		0.00												
2020	07	26	77	60		0.00												
2020	07	27	75	61		0.00												
2020	07	28	77	61		0.00												
2020	07	29	78	61		0.00												
2020	07	30	83	61		0.00												
2020	07	31	89	64		0.00												
Summary			81	63		0.00		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)		Precipitation					Evaporation		"Soil Temperature (F)"						
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time			At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth			
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag			Snow, Ice Pellets, Hail, Ice on Ground (in)	Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	08	01	91	62		0.00												
2020	08	02	88	66		0.00												
2020	08	03	84	67		0.00												
2020	08	04	79	67		0.00												
2020	08	05	78	64		0.00												
2020	08	06	80	65		0.00												
2020	08	07	80	64		0.00												
2020	08	08	81	63		0.00												
2020	08	09	80	61		0.00												
2020	08	10	78	62		0.00												
2020	08	11	77	61		0.00												
2020	08	12	86	60		0.00												
2020	08	13	88	66		0.00												
2020	08	14	93	70		0.00												
2020	08	15	98	73		0.00												
2020	08	16	95	73		0.00												
2020	08	17	89	72		0.00												
2020	08	18	97	72		0.00												
2020	08	19	94	75		0.00												
2020	08	20	94	73		0.00												
2020	08	21	91	73		0.00												
2020	08	22	96	73		0.00												
2020	08	23	91	73		0.00												
2020	08	24	81	70		0.00												
2020	08	25	86	69		0.00												
2020	08	26	87	66		0.00												
2020	08	27	89	67		0.00												
2020	08	28	86	63		0.00												
2020	08	29	80	63		0.00												
2020	08	30	79	63		0.00												
2020	08	31	77	64		0.00												
Summary			86	67		0.00		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	09	01	79	65		0.00												
2020	09	02	80	63		0.00												
2020	09	03	84	65		0.00												
2020	09	04	87	66		0.00												
2020	09	05	99	69		0.00												
2020	09	06	111	77		0.00												
2020	09	07	87	72		0.00												
2020	09	08	80	71		0.00												
2020	09	09	83	67		0.00												
2020	09	10	80	63		0.00												
2020	09	11	84	62		0.00												
2020	09	12	82	63		0.00												
2020	09	13	85	61		0.00												
2020	09	14	86	62		0.00												
2020	09	15	87	63		0.00												
2020	09	16	93	63		0.00												
2020	09	17	93	63		0.00												
2020	09	18	96	66		0.00												
2020	09	19	87	66		0.00												
2020	09	20	82	62		0.00												
2020	09	21	81	66		0.00												
2020	09	22	82	65		0.00												
2020	09	23	85	63		0.00												
2020	09	24	87	63		0.00												
2020	09	25	82	66		0.00												
2020	09	26	81	66		0.00												
2020	09	27	82	68		0.00												
2020	09	28	86	66		0.00												
2020	09	29	93	66		0.00												
2020	09	30	103	68		0.00												
Summary			87	66		0.00		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	10	01	101	68		0.00												
2020	10	02	99	70		0.00												
2020	10	03	94	68		0.00												
2020	10	04	94	66		0.00												
2020	10	05	90	66		0.00												
2020	10	06	88	63		0.00												
2020	10	07	80	63		0.00												
2020	10	08	77	65		0.00												
2020	10	09	75	64		0.00												
2020	10	10	77	66		0.00												
2020	10	11	79	63		0.00												
2020	10	12	90	63		0.00												
2020	10	13	94	65		0.00												
2020	10	14	93	64		0.00												
2020	10	15	92	66		0.00												
2020	10	16	92	65		0.00												
2020	10	17	87	66		0.00												
2020	10	18	81	65		0.00												
2020	10	19	78	64		0.00												
2020	10	20	78	65		0.00												
2020	10	21	75	66		0.00												
2020	10	22	72	64		0.00												
2020	10	23	73	63		0.00												
2020	10	24	71	65		0.00												
2020	10	25	70	60		0.00												
2020	10	26	73	56		0.00												
2020	10	27	77	52		0.00												
2020	10	28	77	55		0.00												
2020	10	29	83	56		0.00												
2020	10	30	83	55		0.00												
2020	10	31	84	55		0.00												
Summary			83	63		0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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**Record of Climatological
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	11	01	85	57		0.00												
2020	11	02	76	58		0.00												
2020	11	03	77	60		0.00												
2020	11	04	81	57		0.00												
2020	11	05	91	59		0.00												
2020	11	06	76	58		0.00												
2020	11	07	62	53		0.11												
2020	11	08	62	49		0.00												
2020	11	09	64	47		0.00												
2020	11	10	67	47		0.00												
2020	11	11	68	47		0.00												
2020	11	12	70	47		0.00												
2020	11	13	68	49		0.00												
2020	11	14	68	51		0.00												
2020	11	15	85	52		0.00												
2020	11	16	91	59		0.00												
2020	11	17	80	54		0.00												
2020	11	18	68	54		0.00												
2020	11	19	69	54		0.00												
2020	11	20	75	51		0.00												
2020	11	21	78	52		0.00												
2020	11	22	73	52		0.00												
2020	11	23	65	53		0.00												
2020	11	24	70	52		0.00												
2020	11	25	66	49		0.00												
2020	11	26	69	50		0.00												
2020	11	27	69	44		0.00												
2020	11	28	74	47		0.00												
2020	11	29	77	50		0.00												
2020	11	30	79	52		0.00												
Summary			73	52		0.11		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2020	12	01	79	48		0.00												
2020	12	02	80	48		0.00												
2020	12	03	74	47		0.00												
2020	12	04	74	49		0.00												
2020	12	05	74	46		0.00												
2020	12	06	73	46		0.00												
2020	12	07	76	46		0.00												
2020	12	08	82	53		0.00												
2020	12	09	74	53		0.00												
2020	12	10	65	50		0.00												
2020	12	11	63	50		0.00												
2020	12	12	69	49		0.00												
2020	12	13	70	50		0.00												
2020	12	14	66	52		0.00												
2020	12	15	70	47		0.00												
2020	12	16	73	47		0.00												
2020	12	17	64	51		0.00												
2020	12	18	67	49		0.00												
2020	12	19	71	45		0.00												
2020	12	20	80	48		0.00												
2020	12	21	84	57		0.00												
2020	12	22	71	50		0.00												
2020	12	23	70	51		0.00												
2020	12	24	66	54		0.02												
2020	12	25	75	52		0.00												
2020	12	26	69	46		0.00												
2020	12	27	66	55		0.01												
2020	12	28	56	47		1.81												
2020	12	29	65	42		0.00												
2020	12	30	69	44		0.00												
2020	12	31	70	43		0.00												
Summary			71	49		1.84		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	01	01	70	45		0.00												
2021	01	02	66	47		0.00												
2021	01	03	64	50		0.00												
2021	01	04	62	48		0.00												
2021	01	05	63	48		0.00												
2021	01	06	72	48		0.00												
2021	01	07	75	45		0.00												
2021	01	08	68	46		0.00												
2021	01	09	74	49		0.00												
2021	01	10	72	47		0.00												
2021	01	11	74	46		0.00												
2021	01	12	72	48		0.00												
2021	01	13	75	48		0.00												
2021	01	14	83	50		0.00												
2021	01	15	88	52		0.00												
2021	01	16	88	54		0.00												
2021	01	17	86	54		0.00												
2021	01	18	79	53		0.00												
2021	01	19	71	56		0.00												
2021	01	20	77	53		0.00												
2021	01	21	71	53		0.00												
2021	01	22	64	51		0.00												
2021	01	23	56	48		0.38												
2021	01	24	60	43		0.07												
2021	01	25	56	43		0.29												
2021	01	26	58	40		0.00												
2021	01	27	61	50		0.00												
2021	01	28	65	46		0.98												
2021	01	29	54	46		0.72												
2021	01	30	64	44		0.00												
2021	01	31	71	48		0.00												
Summary			70	48		2.44		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	02	01	73	58		T												
2021	02	02	71	54		0.00												
2021	02	03	67	49		0.00												
2021	02	04	66	52		0.00												
2021	02	05	69	50		0.00												
2021	02	06	73	47		0.00												
2021	02	07	69	48		0.00												
2021	02	08	65	51		0.00												
2021	02	09	62	54		0.00												
2021	02	10	62	52		0.00												
2021	02	11	68	48		0.00												
2021	02	12	70	55		T												
2021	02	13	64	54		0.00												
2021	02	14	71	57		0.00												
2021	02	15	66	52		0.00												
2021	02	16	70	53		0.00												
2021	02	17	71	49		0.00												
2021	02	18	69	47		0.00												
2021	02	19	71	47		0.00												
2021	02	20	68	47		0.00												
2021	02	21	73	46		0.00												
2021	02	22	82	48		0.00												
2021	02	23	79	53		0.00												
2021	02	24	75	52		0.00												
2021	02	25	74	51		0.00												
2021	02	26	74	47		0.00												
2021	02	27	75	50		0.00												
2021	02	28	73	49		0.00												
Summary			70	51		0.00		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	03	01	76	50		0.00												
2021	03	02	76	49		0.00												
2021	03	03	58	48		0.16												
2021	03	04	67	46		0.00												
2021	03	05	78	49		0.00												
2021	03	06	69	51		0.00												
2021	03	07	64	55		0.00												
2021	03	08	66	54		0.00												
2021	03	09	63	48		0.00												
2021	03	10	59	47		0.83												
2021	03	11	58	46		0.12												
2021	03	12	60	44		T												
2021	03	13	64	46		0.00												
2021	03	14	64	53		0.00												
2021	03	15	58	47		0.30												
2021	03	16	61	45		0.00												
2021	03	17	67	45		0.00												
2021	03	18	66	51		0.00												
2021	03	19	72	50		0.00												
2021	03	20	68	55		0.00												
2021	03	21	69	49		0.00												
2021	03	22	69	53		0.00												
2021	03	23	71	52		0.00												
2021	03	24	73	55		0.00												
2021	03	25	64	52		0.00												
2021	03	26	65	51		0.00												
2021	03	27	76	49		0.00												
2021	03	28	86	53		0.00												
2021	03	29	80	54		0.00												
2021	03	30	75	56		0.00												
2021	03	31	88	54		0.00												
Summary			69	50		1.41		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	04	01	88	61		0.00												
2021	04	02	75	56		0.00												
2021	04	03	70	55		0.00												
2021	04	04	76	52		0.00												
2021	04	05	72	55		0.00												
2021	04	06	70	54		0.00												
2021	04	07	73	55		0.00												
2021	04	08	75	55		0.00												
2021	04	09	74	55		0.00												
2021	04	10	77	55		0.00												
2021	04	11	74	58		0.00												
2021	04	12	68	58		0.00												
2021	04	13	63	57		0.00												
2021	04	14	65	54		0.00												
2021	04	15	68	51		0.00												
2021	04	16	71	56		0.00												
2021	04	17	71	55		0.00												
2021	04	18	89	55		0.00												
2021	04	19	85	59		0.00												
2021	04	20	74	57		0.00												
2021	04	21	66	58		0.00												
2021	04	22	63	58		0.00												
2021	04	23	65	58		0.00												
2021	04	24	66	56		0.00												
2021	04	25	68	56		0.00												
2021	04	26	65	55		0.00												
2021	04	27	68	56		0.00												
2021	04	28	80	53		0.00												
2021	04	29	87	58		0.00												
2021	04	30	90	61		0.00												
Summary			73	56		0.00		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	05	01	76	58		0.00												
2021	05	02	71	60		0.00												
2021	05	03	72	60		0.00												
2021	05	04	79	60		0.00												
2021	05	05	80	59		0.00												
2021	05	06	72	59		0.00												
2021	05	07	69	59		0.00												
2021	05	08	72	60		0.00												
2021	05	09	71	60		0.00												
2021	05	10	69	61		0.00												
2021	05	11	72	62		0.00												
2021	05	12	73	61		0.00												
2021	05	13	67	61		0.00												
2021	05	14	73	60		0.00												
2021	05	15	70	61		0.00												
2021	05	16	66	58		0.00												
2021	05	17	68	60		0.00												
2021	05	18	72	59		0.00												
2021	05	19	75	60		0.00												
2021	05	20	71	58		0.00												
2021	05	21	75	56		0.00												
2021	05	22	70	54		0.00												
2021	05	23	72	54		0.00												
2021	05	24	84	55		0.00												
2021	05	25	85	62		0.00												
2021	05	26	79	63		0.00												
2021	05	27	74	62		0.00												
2021	05	28	73	59		0.00												
2021	05	29	71	60		0.00												
2021	05	30	71	61		0.00												
2021	05	31	74	62		0.00												
Summary			73	59		0.00		0.0										

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	06	01	75	61		0.00												
2021	06	02	73	60		0.00												
2021	06	03	78	61		0.00												
2021	06	04	77	60		0.00												
2021	06	05	78	62		0.00												
2021	06	06	75	62		0.00												
2021	06	07	71	62		0.00												
2021	06	08	75	62		0.00												
2021	06	09	75	61		0.00												
2021	06	10	75	58		0.00												
2021	06	11	81	59		0.00												
2021	06	12	83	61		0.00												
2021	06	13	84	61		0.00												
2021	06	14	85	63		0.00												
2021	06	15	90	65		0.00												
2021	06	16	88	68		0.00												
2021	06	17	87	67		0.02												
2021	06	18	82	66		0.00												
2021	06	19	77	64		0.00												
2021	06	20	78	63		0.00												
2021	06	21	82	64		0.00												
2021	06	22	76	62		0.00												
2021	06	23	81	63		0.00												
2021	06	24	74	62		0.00												
2021	06	25	79	61		0.00												
2021	06	26	81	63		0.00												
2021	06	27	80	65		0.00												
2021	06	28	81	66		0.00												
2021	06	29	81	67		0.00												
2021	06	30	81	66		0.00												
Summary			79	63		0.02		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Generated on 03/22/2023

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Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	07	01	83	66		0.00												
2021	07	02	83	64		0.00												
2021	07	03	81	64		0.00												
2021	07	04	81	63		0.00												
2021	07	05	81	62		0.00												
2021	07	06	81	63		0.00												
2021	07	07	80	65		0.00												
2021	07	08	84	68		0.00												
2021	07	09	86	68		0.00												
2021	07	10	85	69		0.00												
2021	07	11	86	68		0.00												
2021	07	12	83	69		0.00												
2021	07	13	82	69		0.10												
2021	07	14	85	67		0.00												
2021	07	15	84	67		0.00												
2021	07	16	82	67		0.00												
2021	07	17	85	66		0.00												
2021	07	18	88	67		0.00												
2021	07	19	87	69		0.00												
2021	07	20	87	68		0.00												
2021	07	21	90	68		0.00												
2021	07	22	87	70		0.00												
2021	07	23	86	67		0.00												
2021	07	24	80	68		0.00												
2021	07	25	83	67		0.00												
2021	07	26	77	67		0.12												
2021	07	27	78	66		0.00												
2021	07	28	83	65		0.00												
2021	07	29	82	65		0.00												
2021	07	30	82	64		0.00												
2021	07	31	80	64		0.00												
Summary			83	66		0.22		0.0										

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Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	08	01	86	64		0.00												
2021	08	02	92	64		0.00												
2021	08	03	89	65		0.00												
2021	08	04	84	66		0.00												
2021	08	05	85	67		0.00												
2021	08	06	83	67		0.00												
2021	08	07	83	67		0.00												
2021	08	08	81	66		0.00												
2021	08	09	86	66		0.00												
2021	08	10	84	64		0.00												
2021	08	11	89	66		0.00												
2021	08	12	92	69		0.00												
2021	08	13	90	69		0.00												
2021	08	14	87	68		0.00												
2021	08	15	88	67		0.00												
2021	08	16	89	69		0.00												
2021	08	17	86	70		0.00												
2021	08	18	78	69		T												
2021	08	19	79	66		0.00												
2021	08	20	77	66		0.00												
2021	08	21	76	64		0.00												
2021	08	22	75	64		0.00												
2021	08	23	77	63		0.00												
2021	08	24	78	61		0.00												
2021	08	25	83	63		0.00												
2021	08	26	91	64		0.00												
2021	08	27	85	62		0.00												
2021	08	28	81	60		0.00												
2021	08	29	78	61		0.00												
2021	08	30	81	63		0.00												
2021	08	31	75	64		T												
Summary			83	65		0.00		0.0										

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			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	09	01	77	65		0.00												
2021	09	02	76	63		0.00												
2021	09	03	77	63		0.00												
2021	09	04	88	61		0.00												
2021	09	05	94	62		0.00												
2021	09	06	86	68		0.00												
2021	09	07	84	67		0.00												
2021	09	08	84	64		0.00												
2021	09	09	89	64		0.00												
2021	09	10	83	65		0.01												
2021	09	11	88	67		0.00												
2021	09	12	85	61		0.00												
2021	09	13	80	59		0.00												
2021	09	14	80	57		0.00												
2021	09	15	76	61		0.00												
2021	09	16	74	60		0.00												
2021	09	17	75	60		0.00												
2021	09	18	73	59		0.00												
2021	09	19	76	59		0.00												
2021	09	20	84	62		0.00												
2021	09	21	94	64		0.00												
2021	09	22	88	67		0.00												
2021	09	23	81	61		0.00												
2021	09	24	76	60		0.00												
2021	09	25	74	61		0.00												
2021	09	26	69	63		0.00												
2021	09	27	68	63		0.00												
2021	09	28	72	62		0.00												
2021	09	29	73	59		0.00												
2021	09	30	86	58		0.00												
Summary			80	62		0.01		0.0										

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			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	10	01	90	59		0.00												
2021	10	02	91	58		0.00												
2021	10	03	93	61		0.00												
2021	10	04	86	66		0.10												
2021	10	05	81	64		0.02												
2021	10	06	74	62		0.00												
2021	10	07	71	64		0.00												
2021	10	08	69	60		0.01												
2021	10	09	71	55		0.00												
2021	10	10	79	55		0.00												
2021	10	11	73	57		0.00												
2021	10	12	70	56		0.00												
2021	10	13	73	51		0.00												
2021	10	14	76	52		0.00												
2021	10	15	88	55		0.00												
2021	10	16	87	58		0.00												
2021	10	17	75	54		0.00												
2021	10	18	67	58		0.04												
2021	10	19	69	53		0.00												
2021	10	20	71	53		0.00												
2021	10	21	76	52		0.00												
2021	10	22	68	57		0.00												
2021	10	23	69	60		0.05												
2021	10	24	71	59		0.00												
2021	10	25	61	54		0.49												
2021	10	26	70	50		0.00												
2021	10	27	82	52		0.00												
2021	10	28	88	58		0.00												
2021	10	29	85	59		0.00												
2021	10	30	71	58		0.00												
2021	10	31	68	57		0.00												
Summary			76	57		0.71		0.0										

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			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	11	01	66	55		0.00												
2021	11	02	68	54		0.00												
2021	11	03	71	56		0.00												
2021	11	04	71	57		0.00												
2021	11	05	72	56		0.00												
2021	11	06	69	56		0.00												
2021	11	07	66	54		0.00												
2021	11	08	69	55		0.00												
2021	11	09	66	55		0.00												
2021	11	10	74	59		0.00												
2021	11	11	85	56		0.00												
2021	11	12	90	58		0.00												
2021	11	13	90	62		0.00												
2021	11	14	89	56		0.00												
2021	11	15	81	56		0.00												
2021	11	16	67	56		0.00												
2021	11	17	68	55		0.00												
2021	11	18	66	52		0.00												
2021	11	19	67	56		0.00												
2021	11	20	65	54		0.00												
2021	11	21	84	50		0.00												
2021	11	22	83	53		0.00												
2021	11	23	74	56		0.00												
2021	11	24	72	52		0.00												
2021	11	25	76	47		0.00												
2021	11	26	76	47		0.00												
2021	11	27	77	49		0.00												
2021	11	28	76	49		0.00												
2021	11	29	76	50		0.00												
2021	11	30	68	49		0.00												
Summary			74	54		0.00		0.0										

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			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2021	12	01	73	49		0.00												
2021	12	02	63	51		0.00												
2021	12	03	63	53		0.00												
2021	12	04	64	54		0.00												
2021	12	05	65	51		0.00												
2021	12	06	67	47		0.00												
2021	12	07	64	54		0.01												
2021	12	08	66	50		0.00												
2021	12	09	59	52		0.12												
2021	12	10	62	46		0.00												
2021	12	11	67	47		0.00												
2021	12	12	64	43		0.00												
2021	12	13	59	47		0.03												
2021	12	14	58	43		2.16												
2021	12	15	57	39		0.00												
2021	12	16	58	40		0.03												
2021	12	17	66	45		0.00												
2021	12	18	69	42		0.00												
2021	12	19	65	42		0.00												
2021	12	20	66	41		0.00												
2021	12	21	69	50		0.00												
2021	12	22	64	47		0.00												
2021	12	23	58	52		1.66												
2021	12	24	61	52		0.29												
2021	12	25	56	50		0.54												
2021	12	26	59	44		0.07												
2021	12	27	55	42		0.24												
2021	12	28	55	42		0.00												
2021	12	29	53	46		1.74												
2021	12	30	55	51		2.57												
2021	12	31	59	45		0.00												
Summary			62	47		9.46		0.0										

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Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	01	01	62	45		0.00												
2022	01	02	64	43		0.00												
2022	01	03	62	42		0.00												
2022	01	04	63	42		0.00												
2022	01	05	69	43		0.00												
2022	01	06	71	46		0.00												
2022	01	07	56	48		T												
2022	01	08	63	48		0.00												
2022	01	09	75	45		0.00												
2022	01	10	73	51		0.00												
2022	01	11	78	50		0.00												
2022	01	12	76	47		0.00												
2022	01	13	69	56		0.00												
2022	01	14	74	51		0.00												
2022	01	15	68	53		0.01												
2022	01	16	75	60		0.00												
2022	01	17	64	57		0.18												
2022	01	18	65	54		0.00												
2022	01	19	64	52		0.00												
2022	01	20	74	47		0.00												
2022	01	21	70	47		0.00												
2022	01	22	72	50		0.00												
2022	01	23	73	49		0.00												
2022	01	24	71	47		0.00												
2022	01	25	67	47		0.00												
2022	01	26	71	45		0.00												
2022	01	27	70	46		0.00												
2022	01	28	73	46		0.00												
2022	01	29	68	51		0.00												
2022	01	30	70	43		0.00												
2022	01	31	63	46		0.00												
Summary			69	48		0.19		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

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**Record of Climatological
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	02	01	63	50		0.00												
2022	02	02	65	45		0.00												
2022	02	03	65	42		0.00												
2022	02	04	70	44		0.00												
2022	02	05	70	42		0.00												
2022	02	06	75	43		0.00												
2022	02	07	76	47		0.00												
2022	02	08	79	51		0.00												
2022	02	09	83	50		0.00												
2022	02	10	83	55		0.00												
2022	02	11	82	53		0.00												
2022	02	12	86	52		0.00												
2022	02	13	84	54		0.00												
2022	02	14	75	50		0.00												
2022	02	15	60	50		0.06												
2022	02	16	64	46		0.00												
2022	02	17	69	47		0.00												
2022	02	18	71	48		0.00												
2022	02	19	73	48		0.00												
2022	02	20	65	49		0.00												
2022	02	21	59	51		0.00												
2022	02	22	58	46		T												
2022	02	23	56	43		0.00												
2022	02	24	60	37		0.00												
2022	02	25	62	41		0.00												
2022	02	26	68	41		0.00												
2022	02	27	74	47		0.00												
2022	02	28	81	47		0.00												
Summary			71	47		0.06		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests.

"At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	03	01	82	50		0.00												
2022	03	02	80	50		0.00												
2022	03	03	68	50		0.00												
2022	03	04	63	52		T												
2022	03	05	59	48		0.08												
2022	03	06	61	43		0.00												
2022	03	07	68	44		0.00												
2022	03	08	68	45		0.00												
2022	03	09	67	47		0.00												
2022	03	10	66	53		0.00												
2022	03	11	71	46		0.00												
2022	03	12	76	50		0.00												
2022	03	13	69	51		0.00												
2022	03	14	71	54		0.00												
2022	03	15	72	52		0.00												
2022	03	16	80	55		0.00												
2022	03	17	78	53		0.00												
2022	03	18	77	53		0.00												
2022	03	19	67	55		0.01												
2022	03	20	74	53		0.00												
2022	03	21	74	55		0.00												
2022	03	22	84	53		0.00												
2022	03	23	85	57		0.00												
2022	03	24	79	56		0.00												
2022	03	25	72	52		0.00												
2022	03	26	71	54		0.00												
2022	03	27	69	56		0.00												
2022	03	28	60	53		1.32												
2022	03	29	64	50		0.00												
2022	03	30	68	54		0.00												
2022	03	31	63	55		0.00												
Summary			71	52		1.41		0.0										

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*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)		Precipitation						Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	04	01	67	52		0.00												
2022	04	02	65	54		0.00												
2022	04	03	65	54		0.00												
2022	04	04	69	54		0.00												
2022	04	05	78	54		0.00												
2022	04	06	88	57		0.00												
2022	04	07	95	60		0.00												
2022	04	08	95	64		0.00												
2022	04	09	81	62		0.00												
2022	04	10	69	59		0.00												
2022	04	11	66	55		0.00												
2022	04	12	68	51		0.00												
2022	04	13	68	52		0.00												
2022	04	14	68	51		0.00												
2022	04	15	70	54		0.00												
2022	04	16	67	53		0.00												
2022	04	17	67	53		0.00												
2022	04	18	74	53		0.00												
2022	04	19	71	57		0.00												
2022	04	20	69	55		0.00												
2022	04	21	67	53		0.28												
2022	04	22	65	54		0.05												
2022	04	23	72	53		0.00												
2022	04	24	84	55		0.00												
2022	04	25	89	59		0.00												
2022	04	26	81	59		0.00												
2022	04	27	72	56		0.00												
2022	04	28	66	55		0.00												
2022	04	29	70	53		0.00												
2022	04	30	75	54		0.00												
Summary			73	55		0.33		0.0										

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*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests.

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	05	01	73	57		0.00												
2022	05	02	70	58		0.00												
2022	05	03	69	58		0.00												
2022	05	04	75	57		0.00												
2022	05	05	75	56		0.00												
2022	05	06	75	55		0.00												
2022	05	07	74	59		0.00												
2022	05	08	68	57		0.00												
2022	05	09	69	54		0.00												
2022	05	10	68	51		0.00												
2022	05	11	70	51		0.00												
2022	05	12	79	53		0.00												
2022	05	13	87	57		0.00												
2022	05	14	89	61		0.00												
2022	05	15	84	59		0.00												
2022	05	16	70	58		0.00												
2022	05	17	71	57		0.00												
2022	05	18	70	57		0.00												
2022	05	19	67	59		0.00												
2022	05	20	69	58		0.00												
2022	05	21	69	57		0.00												
2022	05	22	69	54		0.00												
2022	05	23	69	55		0.00												
2022	05	24	71	59		0.00												
2022	05	25	73	59		0.00												
2022	05	26	75	60		0.00												
2022	05	27	71	59		0.00												
2022	05	28	68	58		0.00												
2022	05	29	72	57		0.00												
2022	05	30	72	58		0.00												
2022	05	31	74	57		0.00												
Summary			73	57		0.00		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	06	01	80	58		0.00												
2022	06	02	79	60		0.00												
2022	06	03	73	60		0.00												
2022	06	04	70	61		0.00												
2022	06	05	75	60		0.00												
2022	06	06	77	63		0.00												
2022	06	07	76	63		0.00												
2022	06	08	75	63		0.00												
2022	06	09	80	63		0.00												
2022	06	10	81	63		0.00												
2022	06	11	80	63		0.00												
2022	06	12	78	62		0.00												
2022	06	13	77	64		0.00												
2022	06	14	78	63		0.00												
2022	06	15	81	63		0.00												
2022	06	16	81	64		0.00												
2022	06	17	76	61		0.00												
2022	06	18	75	59		0.00												
2022	06	19	76	60		0.00												
2022	06	20	89	60		0.00												
2022	06	21	86	63		0.00												
2022	06	22	80	62		0.01												
2022	06	23	81	63		0.00												
2022	06	24	82	61		0.00												
2022	06	25	84	60		0.00												
2022	06	26	83	61		0.00												
2022	06	27	86	62		0.00												
2022	06	28	90	63		0.00												
2022	06	29	89	64		0.00												
2022	06	30	84	63		0.00												
Summary			80	62		0.01		0.0										

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Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	07	01	83	63		0.00												
2022	07	02	81	62		0.00												
2022	07	03	80	61		0.00												
2022	07	04	77	61		0.00												
2022	07	05	79	61		0.00												
2022	07	06	80	63		0.00												
2022	07	07	82	61		0.00												
2022	07	08	82	61		0.00												
2022	07	09	78	61		0.00												
2022	07	10	84	62		0.00												
2022	07	11	78	61		0.00												
2022	07	12	77	61		0.00												
2022	07	13	75	60		0.00												
2022	07	14	77	62		0.00												
2022	07	15	79	63		0.00												
2022	07	16	80	63		0.00												
2022	07	17	93	63		0.00												
2022	07	18	88	67		0.00												
2022	07	19	84	65		0.00												
2022	07	20	85	65		0.00												
2022	07	21	87	64		0.00												
2022	07	22	83	63		0.00												
2022	07	23	81	66		0.00												
2022	07	24	84	64		0.00												
2022	07	25	81	63		0.00												
2022	07	26	79	63		0.00												
2022	07	27	82	62		0.00												
2022	07	28	85	63		0.00												
2022	07	29	84	65		0.00												
2022	07	30	81	66		0.00												
2022	07	31	86	69		0.00												
Summary			82	63		0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	F l a g	Snow, Ice Pellets, Hail (in)	F l a g	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	08	01	85	67		0.00												
2022	08	02	81	65		0.00												
2022	08	03	82	65		0.00												
2022	08	04	84	66		0.00												
2022	08	05	84	66		0.00												
2022	08	06	86	64		0.00												
2022	08	07	91	63		0.00												
2022	08	08	89	67		0.00												
2022	08	09	92	71		0.00												
2022	08	10	92	69		0.00												
2022	08	11	88	67		0.00												
2022	08	12	87	65		0.00												
2022	08	13	90	67		0.00												
2022	08	14	89	67		0.00												
2022	08	15	87	65		0.00												
2022	08	16	85	65		0.00												
2022	08	17	84	65		0.00												
2022	08	18	79	62		0.00												
2022	08	19	82	62		0.00												
2022	08	20	82	66		0.00												
2022	08	21	80	65		0.00												
2022	08	22	78	64		0.00												
2022	08	23	81	63		0.00												
2022	08	24	85	66		0.00												
2022	08	25	88	66		0.00												
2022	08	26	84	64		0.00												
2022	08	27	83	65		0.00												
2022	08	28	81	65		0.00												
2022	08	29	79	64		0.00												
2022	08	30	84	64		0.00												
2022	08	31	91	67		0.00												
Summary			85	65		0.00		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

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**Record of Climatological
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National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)		Precipitation						Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	09	01	96	74		0.00												
2022	09	02	96	72		0.00												
2022	09	03	98	75		0.00												
2022	09	04	103	77		0.00												
2022	09	05	97	74		0.00												
2022	09	06	93	73		0.00												
2022	09	07	99	72		0.00												
2022	09	08	98	73		T												
2022	09	09	98	70		0.12												
2022	09	10	80	70		0.24												
2022	09	11	87	74		0.01												
2022	09	12	85	70		0.00												
2022	09	13	82	69		0.00												
2022	09	14	82	68		0.00												
2022	09	15	79	66		0.00												
2022	09	16	80	65		0.00												
2022	09	17	77	66		0.00												
2022	09	18	75	64		0.00												
2022	09	19	77	63		0.00												
2022	09	20	80	63		0.00												
2022	09	21	79	62		0.00												
2022	09	22	85	61		0.00												
2022	09	23	86	60		0.00												
2022	09	24	86	66		0.00												
2022	09	25	86	66		0.00												
2022	09	26	86	66		0.00												
2022	09	27	88	66		0.00												
2022	09	28	89	67		0.00												
2022	09	29	80	65		0.00												
2022	09	30	79	66		0.00												
Summary			87	68		0.37		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	10	01	75	65		0.00												
2022	10	02	76	63		0.00												
2022	10	03	76	61		0.00												
2022	10	04	82	62		0.00												
2022	10	05	79	66		0.00												
2022	10	06	77	66		0.00												
2022	10	07	79	65		0.00												
2022	10	08	80	64		0.00												
2022	10	09	77	63		0.00												
2022	10	10	77	62		0.00												
2022	10	11	76	65		0.00												
2022	10	12	78	66		0.00												
2022	10	13	73	65		0.00												
2022	10	14	70	64		0.00												
2022	10	15	71	63		0.02												
2022	10	16	71	60		0.00												
2022	10	17	77	58		0.00												
2022	10	18	86	60		0.00												
2022	10	19	93	64		0.00												
2022	10	20	88	67		0.00												
2022	10	21	78	65		0.00												
2022	10	22	70	61		T												
2022	10	23	72	56		0.00												
2022	10	24	75	53		0.00												
2022	10	25	76	53		0.00												
2022	10	26	72	54		0.00												
2022	10	27	75	55		0.00												
2022	10	28	75	54		0.00												
2022	10	29	75	53		0.00												
2022	10	30	78	53		0.00												
2022	10	31	76	53		0.00												
Summary			77	61		0.02		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W

Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	11	01	71	59		0.01												
2022	11	02	67	53		0.11												
2022	11	03	65	49		0.00												
2022	11	04	67	47		0.00												
2022	11	05	69	48		0.00												
2022	11	06	69	51		0.00												
2022	11	07	64	55		0.15												
2022	11	08	66	51		1.71												
2022	11	09	65	50		T												
2022	11	10	70	46		0.00												
2022	11	11	71	48		0.00												
2022	11	12	71	49		0.00												
2022	11	13	71	48		0.00												
2022	11	14	70	47		0.00												
2022	11	15	73	49		0.00												
2022	11	16	76	47		0.00												
2022	11	17	76	47		0.00												
2022	11	18	71	47		0.00												
2022	11	19	76	47		0.00												
2022	11	20	79	51		0.00												
2022	11	21	76	53		0.00												
2022	11	22	76	52		0.00												
2022	11	23	74	47		0.00												
2022	11	24	78	47		0.00												
2022	11	25	75	48		0.00												
2022	11	26	72	47		0.00												
2022	11	27	71	47		0.00												
2022	11	28	65	57		T												
2022	11	29	65	53		0.00												
2022	11	30	65	50		0.00												
Summary			71	50		1.98		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2022	12	01	61	55		T												
2022	12	02	62	53		0.12												
2022	12	03	71	52		0.00												
2022	12	04	65	54		0.02												
2022	12	05	63	54		0.00												
2022	12	06	63	50		0.00												
2022	12	07	62	47		0.00												
2022	12	08	63	45		0.00												
2022	12	09	63	44		0.00												
2022	12	10	64	46		T												
2022	12	11	60	46		0.83												
2022	12	12	56	45		0.26												
2022	12	13	62	44		0.00												
2022	12	14	63	43		0.00												
2022	12	15	63	45		0.00												
2022	12	16	69	48		0.00												
2022	12	17	66	48		0.00												
2022	12	18	66	45		0.00												
2022	12	19	67	42		0.00												
2022	12	20	67	48		0.00												
2022	12	21	71	44		0.00												
2022	12	22	71	47		0.00												
2022	12	23	70	47		0.00												
2022	12	24	79	47		0.00												
2022	12	25	84	55		0.00												
2022	12	26	81	56		0.00												
2022	12	27	65	55		0.45												
2022	12	28	64	51		0.01												
2022	12	29	61	56		T												
2022	12	30	60	56		0.01												
2022	12	31	60	57		1.11												
Summary			66	49		2.81		0.0										

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Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)		At Obs.	Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"			24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2023	01	01	63	50		0.01												
2023	01	02	58	48		0.03												
2023	01	03	59	50		0.06												
2023	01	04	62	57		0.46												
2023	01	05	63	50		1.37												
2023	01	06	65	46		0.00												
2023	01	07	69	50		0.00												
2023	01	08	66	48		0.00												
2023	01	09	60	53		2.04												
2023	01	10	62	52		1.31												
2023	01	11	63	47		0.00												
2023	01	12	72	51		0.00												
2023	01	13	67	51		0.00												
2023	01	14	57	52		1.82												
2023	01	15	60	51		0.69												
2023	01	16	61	48		0.41												
2023	01	17	60	43		0.00												
2023	01	18	62	43		0.00												
2023	01	19	59	43		T												
2023	01	20	62	43		0.00												
2023	01	21	65	42		0.00												
2023	01	22	63	42		0.00												
2023	01	23	67	46		0.00												
2023	01	24	67	42		0.00												
2023	01	25	73	43		0.00												
2023	01	26	70	45		0.00												
2023	01	27	69	46		0.00												
2023	01	28	65	48		0.00												
2023	01	29	60	50		0.18												
2023	01	30	61	48		0.57												
2023	01	31	67	43		0.00												
Summary			64	47		8.95	0.0											

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Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Fl ag	Snow, Ice Pellets, Hail (in)	Fl ag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2023	02	01	68	41		0.00												
2023	02	02	70	43		0.00												
2023	02	03	71	50		0.00												
2023	02	04	71	47		0.00												
2023	02	05	65	53		0.03												
2023	02	06	72	52		0.00												
2023	02	07	70	46		0.00												
2023	02	08	73	47		0.00												
2023	02	09	80	48		0.00												
2023	02	10	77	52		0.00												
2023	02	11	62	50		0.00												
2023	02	12	61	45		0.00												
2023	02	13	63	49		0.00												
2023	02	14	60	48		0.00												
2023	02	15	63	45		0.00												
2023	02	16	64	40		0.00												
2023	02	17	68	45		0.00												
2023	02	18	69	49		0.00												
2023	02	19	68	45		0.00												
2023	02	20	74	50		0.00												
2023	02	21	67	50		T												
2023	02	22	57	46		0.00												
2023	02	23	54	46		0.12												
2023	02	24	55	45		2.29												
2023	02	25	51	44		2.08												
2023	02	26	56	40		0.07												
2023	02	27	53	47		0.42												
2023	02	28	58	45		0.94												
Summary			65	47		5.95		0.0										

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Current Location: Elev: 179 ft. Lat: 34.0236° N Lon: -118.2911° W
Station: **LOS ANGELES DOWNTOWN USC, CA US USW00093134**

Generated on 03/22/2023

Observation Time Temperature: Unknown Observation Time Precipitation: Unknown

Year	Month	Day	Temperature (F)			Precipitation					Evaporation		"Soil Temperature (F)"					
			"24 Hrs. Ending at Observation Time"		At Obs.	24 Hour Amounts Ending at Observation Time				At Obs. Time	24 Hour Wind Movement (mi)	Amount of Evap. (in)	4 in. Depth			8 in. Depth		
			Max.	Min.		Rain, Melted Snow, Etc. (in)	Flag	Snow, Ice Pellets, Hail (in)	Flag	Snow, Ice Pellets, Hail, Ice on Ground (in)			Ground Cover (see *)	Max.	Min.	Ground Cover (see *)	Max.	Min.
2023	03	01	57	49		0.27												
2023	03	02	63	44		0.00												
2023	03	03	63	44		0.00												
2023	03	04	61	46		0.00												
2023	03	05	60	49		0.05												
2023	03	06	62	48		0.01												
2023	03	07	63	46		0.00												
2023	03	08	62	49		0.00												
2023	03	09	68	47		0.00												
2023	03	10	57	52		0.81												
2023	03	11	64	57		0.12												
2023	03	12	64	55		0.00												
2023	03	13	67	55		0.00												
2023	03	14	60	56		1.89												
2023	03	15	62	55		1.22												
2023	03	16																
2023	03	17																
2023	03	18																
2023	03	19																
2023	03	20																
2023	03	21																
2023	03	22																
2023	03	23																
2023	03	24																
2023	03	25																
2023	03	26																
2023	03	27																
2023	03	28																
2023	03	29																
2023	03	30																
2023	03	31																
Summary			62	50		4.37		0.0										

Empty, or blank, cells indicate that a data observation was not reported.

*Ground Cover: 1=Grass; 2=Fallow; 3=Bare Ground; 4=Brome grass; 5=Sod; 6=Straw mulch; 7=Grass muck; 8=Bare muck; 0=Unknown

"s" This data value failed one of NCEI's quality control tests. "At Obs." = Temperature at time of observation

"T" values in the Precipitation or Snow category above indicate a "trace" value was recorded.

"A" values in the Precipitation Flag or the Snow Flag column indicate a multiday total, accumulated since last measurement, is being used.

Data value inconsistency may be present due to rounding calculations during the conversion process from SI metric units to standard imperial units.